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Released: July 19, 2002

Winter Wheat

Neeley remained the leading variety of winter wheat seeded in Montana for the fifteenth consecutive year, with 263,800 acres planted. Total acres planted decreased 10 percent from last year's 293,200 acres. Neeley was developed by the Agricultural Research Service, United States Department of Agriculture (USDA) in cooperation with the Idaho Agricultural Experiment Station and released in 1980. It is a semi-dwarf variety, with intermediate maturity.

Rampart remained a close second in 2002, with 263,200 thousand acres seeded this crop season. Rampart, a hard red winter wheat, was developed by the Montana Agricultural Experiment Station and released in 1996. It is an awned, red-chaffed, solid-stemmed variety. Kernels are hard red, with a mid-sized germ. Rampart is resistant to the wheat stem sawfly and to prevalent races of stem rust. It is susceptible to stripe rust, leaf rust, dwarf smut, and the Russian wheat aphid. Rampart has excellent milling and baking qualities.

Tiber remained in third place with 163,200 acres seeded. Last year 141,600 acres were put in the ground. Tiber is a standard-height, hard red winter wheat variety released by the Montana Agricultural Experiment Station in 1987. Tiber is a bearded, brown-chaffed, stiff-strawed variety. It has a high yield potential, good shatter resistance, and good winter hardiness (similar to Redwin). Tiber's resistance to lodging and shattering is equal to Redwin, but shorter in straw height than Winalta. It also has moderate resistance to the leaf spot complex, but is susceptible to dwarf smut, stem rust, and very susceptible to stripe rust.

Rocky replaces Morgan this year as the number four variety in Montana, with 149,400 acres planted in 2002. Rocky accounted for over 10 percent of the state's seeded acreage. Released in 1978 by Nickerson American Plant Breeders, Rocky is a pure line selection from Centurk. Recommended for the same areas as Centurk, but higher yielding under most conditions. Rocky is resistant to soil born mosaic.

These top four varieties accounted for 60.0 percent of the winter wheat acreage seeded in 2002. The top four varieties for 2001 accounted for 59.4 percent of the total acreage for the state.

Spring Wheat

McNeal was the leading spring wheat variety planted for the fifth consecutive year, accounting for over 39 percent of the seeded acreage, with almost 1.48 million acres planted. That is a decrease of over 15 percent in McNeal acres from 2001, while spring wheat acreage is up 5.6 percent this year. McNeal was developed by the Montana Agricultural Experiment Station and released in March 1995. It is a semi-dwarf, hard red spring wheat with red chaff and tan straw. Under Montana growing conditions, McNeal is moderately resistant to lodging and to prevalent races of stem rust and wheat streak mosaic virus. It is somewhat susceptible to leaf rust and stripe rust, and is also fairly vulnerable to Russian wheat aphid and the wheat stem sawfly.

Reeder moved into second place with 396,800 acres planted this year. Last year Reeder was the fifth most popular variety with nearly 119,500 acres. Reeder was developed from a cross of a relative of 'Stoa' and germplasm from a program in Brazil. Produced by the North Dakota Agricultural Experiment Station and released in 1999, Reeder is resistant to upper mid-west stem and leaf rust.

Ernest fell to third place in ranking this year with 389,900 thousand acres planted, compared to 277,200 acres last year. Ernest was developed by the North Dakota Agricultural Experiment Station and released in 1995. It is an awned, white chaffed, standard height, solid stemmed, hard red spring wheat. It is resistant to wheat stem sawfly, leaf rust, and stem rust.

Fortuna took fourth place for the second year in a row with over 262,600 acres planted statewide. It is a beardless variety with white chaff and straw. It is a solid stem variety that is resistant to wheat stem sawfly. Fortuna is susceptible to Septoria and black chaff fungus. This spring wheat variety was developed at the North Dakota Agricultural Experiment Station with the Crops Research Division of the USDA Cooperating.

These top four varieties accounted for 67.4 percent of the spring wheat acreage seeded in 2002. The top four varieties for 2001 accounted for 72.2 percent of the seeded acreage.

This report was made possible by funds provided by the Montana Wheat & Barley Committee. This survey was conducted by the Montana Agricultural Statistics Service.

Peggy Stringer
State Statistician

Stephen Habets
Student Intern

John Gibbons
Agricultural Statistician

Kyle continued to be the leading durum variety for the sixth consecutive year. There were 216,900 acres planted in the state, accounting for 40.2 percent of the total seeded acres. Kyle was developed by the Agriculture Canada Research Station, Swift Current, Saskatchewan and released in 1984. Kyle is resistant to leaf and stem rust. It is moderately susceptible to tan spot and Septoria leaf spot and susceptible to loose smut.

Mountrail remained the second most popular variety of durum wheat in the state for the second year in a row. There were 144,000 acres planted or 26.7 percent of the state's durum wheat. Mountrail was developed from the cross of D8479 and Renville by the North Dakota Agricultural Experiment Station, and was released in 1999. The variety has a high semolina extract with strong gluten. It is resistant to both leaf and stem rusts.

Ben took third place ranking again this year with 29,900 acres planted or 5.5 percent of the state total for durum wheat. Ben was developed in North Dakota and released in 1996. This durum wheat is medium height, medium maturity, large kernel size with high protein. Ben is resistant to leaf rust, stem rust, and leaf spot complex. It is moderately susceptible to stripe rust.

Utopia became the fourth most popular variety this year with 26,800 acres planted or 5.0 percent of the state's durum wheat. Utopia was established at the University of Arizona, Mesa Experimental Station in 1982. Utopia is a semi-dwarf spring durum with very early maturation and low susceptibility to lodging. It is black awned and has shown uniformity and yield stability within cultural regimes, high input fully irrigated, and low input with limited irrigation.

These top four varieties account for 77.4 percent of total acres seeded to durum wheat. This compares with the 69.7 percent reported in 2001 for the top four varieties.

Durum Wheat: Seeded Acreage and Percent of Total Seeded by Districts - 2002 1/

Variety	North Central		Northeast		Central		Southeast		Other Districts		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Kyle	17.0	31.5	199.2	43.3	0.4	3.9	0.3	3.3	0.0	0.0	216.9	40.2
Mountrail	0.8	1.5	142.1	30.9	1.1	12.5	0.0	0.0	0.0	0.0	144.0	26.7
Ben	2.0	3.7	25.3	5.5	0.0	0.0	2.6	28.5	0.0	0.0	29.9	5.5
Utopia	23.9	44.3	0.0	0.0	1.8	19.7	0.0	0.0	1.1	37.4	26.8	5.0
AC Avonlea	3.8	7.0	14.7	3.2	0.3	3.3	0.0	0.0	0.0	0.0	18.8	3.5
Ward	0.0	0.0	15.2	3.3	0.0	0.0	0.0	0.0	0.0	0.0	15.2	2.8
Renville	0.5	1.0	8.7	1.9	0.0	0.0	3.7	40.8	0.0	0.0	12.9	2.4
AC Morse	0.0	0.0	11.0	2.4	0.0	0.0	0.0	0.0	0.0	0.0	11.0	2.0
Munich	0.0	0.0	8.7	1.9	0.0	0.0	0.0	0.0	0.0	0.0	8.7	1.6
Vic	0.0	0.0	7.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	7.4	1.4
Sceptre	0.3	0.6	6.9	1.5	0.0	0.0	0.0	0.0	0.0	0.0	7.2	1.3
Monroe	0.0	0.0	0.9	0.2	4.7	51.7	0.0	0.0	0.0	0.0	5.6	1.0
Plaza	2.1	3.8	2.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.9
Medora	0.0	0.0	0.5	0.1	0.0	0.0	2.5	27.3	0.0	0.0	3.0	0.6
Crosby	0.0	0.0	1.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.3
Lebsock	0.0	0.0	1.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.3
Voss	0.0	0.0	1.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.3
Stockholm	1.6	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.3
Other & Unknown	2.0	3.6	11.2	2.4	0.7	8.9	4.9	0.1	1.9	62.6	20.7	3.9
All Varieties	**54.0**	**100.0**	**460.0**	**100.0**	**9.0**	**100.0**	**14.0**	**100.0**	**3.0**	**100.0**	**540.0**	**100.0**

1/ Columns may not sum to all varieties due to rounding.

Durum Wheat: Percent of Total Seeded Acreage 1996-2002 & Seeded Acreage 2001-2002 1/

Variety	Percent of Total Seeded Acreage							Seeded Acres (000)	
	1996	1997	1998	1999	2000	2001 2/	2002	2001 2/	2002
Kyle	20.4	38.4	44.5	55.3	52.5	45.3	40.2	231.1	216.9
Mountrail	--	--	--	--	0.9	9.6	26.7	48.9	144.0
Ben	--	--	0.2	4.1	7.8	8.0	5.5	40.9	29.9
Utopia	--	--	--	1.4	5.8	6.6	5.0	33.9	26.8
AC Avonlea	--	--	--	--	1.4	3.9	3.5	19.7	18.8
Ward	5.4	1.9	1.9	4.4	2.3	3.1	2.8	15.6	15.2
Renville	9.0	8.4	6.0	4.8	5.2	6.8	2.4	34.6	12.9
AC Morse	--	--	--	--	--	--	2.0	--	11.0
Munich	--	--	--	1.0	0.9	0.5	1.6	2.4	8.7
Vic	13.9	7.4	8.6	8.1	2.6	1.6	1.4	8.2	7.4
Sceptre	3.1	5.1	6.8	3.4	2.9	1.5	1.3	7.4	7.2
Monroe	20.5	14.1	7.4	4.8	2.9	3.3	1.0	16.9	5.6
Plaza	--	--	--	--	--	--	0.9	--	4.9
Medora	2.4	8.7	6.6	3.3	3.5	0.4	0.6	2.2	3.0
Crosby	7.8	5.1	0.7	0.9	0.4	0.3	0.3	1.7	1.8
Lebsock	--	--	--	--	--	--	0.3	--	1.8
Voss	--	1.0	4.2	--	0.0	0.3	0.3	1.3	1.8
Stockholm	--	--	0.4	0.4	0.0	0.5	0.3	2.4	1.6
Other & Unknown	17.5	9.9	12.7	8.1	10.9	8.3	3.9	42.8	20.7
All Varieties	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**510.0**	**540.0**

1/ Columns may not sum to all varieties due to rounding. 2/ Revised.

Winter Wheat: 2002 Seeded Acreage and Percent of Total Seeded by Districts 1/																
Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Neeley	1.2	14.6	74.5	10.2	1.9	2.4	158.3	54.6	14.0	46.8	13.5	7.1	0.4	0.5	263.8	18.8
Rampart	0.2	2.1	238.0	32.6	0.0	0.0	15.7	5.4	1.8	6.1	6.7	3.5	0.8	1.1	263.2	18.8
Tiber	0.0	0.0	45.3	6.2	23.3	29.1	20.6	7.1	0.0	0.0	57.0	30.0	17.0	23.6	163.2	11.7
Rocky	0.0	0.0	119.7	16.4	2.0	2.5	25.2	8.7	0.0	0.0	2.5	1.3	0.0	0.0	149.4	10.7
Vanguard	0.0	0.0	100.7	13.8	0.0	0.0	18.6	6.4	0.0	0.0	2.3	1.2	0.0	0.0	121.6	8.7
Morgan	0.0	0.0	65.0	8.9	4.9	6.1	12.8	4.4	7.7	25.6	3.6	1.9	6.3	8.7	100.3	7.2
Redwin	0.0	0.0	11.7	1.6	16.9	21.1	0.0	0.0	1.3	4.3	40.9	21.5	7.5	10.4	78.3	5.6
McGuire	0.0	0.0	2.2	0.3	0.0	0.0	1.2	0.4	3.0	9.9	23.9	12.6	1.0	1.4	31.3	2.2
Big Horn	0.0	0.0	11.7	1.6	0.0	0.0	11.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	22.7	1.6
Nuwest *	0.0	0.0	8.0	1.1	0.0	0.0	4.1	1.4	0.0	0.0	0.0	0.0	5.5	7.7	17.6	1.3
Quantum 542	0.0	0.0	4.4	0.6	0.2	0.2	4.4	1.5	0.0	0.0	4.9	2.6	0.6	0.8	14.5	1.0
Winalta	0.0	0.0	1.5	0.2	7.1	8.9	0.0	0.0	0.0	0.0	0.0	0.0	5.8	8.0	14.4	1.0
Tomahawk	1.9	23.5	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	10.5	5.5	0.0	0.0	13.1	0.9
Prowers 99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.1	5.3	0.0	0.0	10.1	0.7
Norstar	0.0	0.0	5.8	0.8	4.2	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.7
Kestrel	0.0	0.0	2.2	0.3	6.1	7.6	1.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.7
NuFrontier	0.0	0.0	7.3	1.0	0.0	0.0	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	9.9	0.7
Warrior	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	1.1	5.9	8.2	8.0	0.6
Roughrider	0.0	0.0	0.0	0.0	3.5	4.4	0.0	0.0	0.0	0.0	0.0	0.0	4.5	6.2	8.0	0.6
Judith	0.0	0.0	5.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.4	0.0	0.0	6.6	0.5
Goldenspike	0.0	0.0	5.1	0.7	0.0	0.0	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	6.3	0.5
Erhardt	0.0	0.0	0.0	0.0	1.5	1.9	1.2	0.4	0.0	0.0	0.0	0.0	2.8	3.9	5.5	0.4
Other & Unknown	4.8	59.8	20.4	2.8	8.4	10.5	11.6	4.0	2.2	7.3	11.4	6.0	14.0	19.5	72.8	5.1
All Varieties	**8.0**	**100.0**	**730.0**	**100.0**	**80.0**	**100.0**	**290.0**	**100.0**	**30.0**	**100.0**	**190.0**	**100.0**	**72.0**	**100.0**	**1,400.0**	**100.0**

1/ Columns may not sumr to all varieties due to rounding *White wheat variety

Winter Wheat: Percent of Total Seeded Acreage 1996-2002 & Seeded Acreage 2001-2002 1/									
Variety	Percent of Total Seeded Acreage							Seeded Acres (000)	
	1996	1997	1998	1999	2000	2001 2/	2002	2001 2/	2002
Neeley	24.6	24.3	20.0	20.8	19.2	22.6	18.8	293.3	263.8
Rampart	- -	- -	1.8	9.0	13.8	15.9	18.8	206.4	263.2
Tiber	16.5	13.4	14.2	17.3	11.3	10.9	11.7	141.6	163.2
Rocky	14.6	19.1	13.4	8.2	6.9	8.9	10.7	115.7	149.4
Vanguard	- -	0.8	10.3	7.0	9.4	6.7	8.7	86.9	121.6
Morgan	- -	- -	2.2	7.0	8.3	10.0	7.2	130.3	100.3
Redwin	11.4	10.6	6.1	4.7	6.4	4.0	5.6	52.4	78.3
McGuire	- -	- -	- -	- -	0.6	0.7	2.2	9.4	31.3
Big Horn	4.0	2.3	3.5	3.6	3.3	3.0	1.6	38.9	22.7
Nuwest *	- -	0.1	- -	0.5	0.4	1.7	1.3	22.6	17.6
Quantum 542	0.6	1.2	1.0	1.4	2.2	2.0	1.0	26.6	14.5
Winalta	3.5	1.9	2.9	1.7	1.1	2.1	1.0	27.8	14.4
Tomahawk	- -	0.1	0.2	0.6	0.9	1.2	0.9	16.0	13.1
Prowers 99	- -	- -	- -	- -	- -	- -	0.7	- -	10.1
Norstar	1.8	1.8	1.7	1.5	0.8	0.6	0.7	7.4	10.0
Kestrel	1.4	4.0	1.3	1.4	0.9	0.6	0.7	7.8	10.0
NuFrontier	- -	- -	- -	- -	- -	- -	0.7	- -	9.9
Warrior	0.4	0.6	0.7	1.2	0.4	- -	0.6	- -	8.0
Roughrider	2.1	2.3	1.3	1.1	1.1	0.8	0.6	10.5	8.0
Judith	3.7	3.4	4.3	1.0	2.3	0.3	0.5	3.7	6.6
Goldenspike	- -	- -	- -	- -	- -	- -	0.5	- -	6.3
Erhardt	- -	- -	- -	0.1	0.7	- -	1.1	- -	15.9
Other & Unknown	15.4	14.1	15.1	11.9	10.0	8.0	4.4	102.7	62.4
All Varieties	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**1,300.0**	**1,400.0**

1/ Columns may not sum to all varieties due to rounding. 2/ Revised. * White wheat variety.

Spring Wheat: Seeded Acreage and Percent of Total Seeded by Districts - 2002 1/

Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
McNeal	5.9	23.6	559.4	33.9	712.2	46.1	105.7	43.3	11.3	28.2	34.6	45.5	47.8	28.1	1,476.9	39.4
Reeder	0.0	0.0	3.3	0.2	360.0	23.3	16.6	6.8	0.0	0.0	3.6	4.7	13.3	7.8	396.8	10.6
Ernest	0.0	0.0	316.8	19.2	55.6	3.6	8.3	3.4	0.0	0.0	1.4	1.9	7.8	4.6	389.9	10.4
Fortuna	0.0	0.0	227.7	13.8	15.5	1.0	7.6	3.1	0.0	0.0	11.8	15.5	0.0	0.0	262.6	7.0
Amidon	0.0	0.0	89.1	5.4	137.5	8.9	1.0	0.4	0.0	0.0	4.9	6.4	9.0	5.3	241.5	6.4
Conan	0.0	0.0	146.9	8.9	3.1	0.2	17.8	7.3	0.0	0.0	0.0	0.0	0.0	0.0	167.8	4.5
WestbredRambo	0.0	0.0	113.9	6.9	6.2	0.4	5.1	2.1	0.6	1.5	0.0	0.0	0.0	0.0	125.8	3.4
Scholar	0.0	0.0	42.9	2.6	15.5	1.0	8.3	3.4	0.0	0.0	0.0	0.0	0.3	0.2	67.0	1.8
Parshall	0.0	0.0	0.0	0.0	52.5	3.4	0.0	0.0	0.0	0.0	0.0	0.0	9.9	5.8	62.4	1.7
Lew	0.3	1.0	51.2	3.1	1.5	0.1	5.9	2.4	0.0	0.0	1.6	2.1	0.3	0.2	60.8	1.6
Grandin	0.0	0.0	1.7	0.1	30.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0	21.3	12.5	53.9	1.4
Westbred 926	4.4	17.6	5.0	0.3	0.0	0.0	29.3	12.0	6.8	16.9	4.1	5.4	1.5	0.9	51.1	1.4
Westbred 936	8.4	33.7	5.0	0.3	0.0	0.0	3.7	1.5	14.4	35.9	1.1	1.4	6.3	3.7	38.9	1.0
Len	0.0	0.0	0.0	0.0	32.4	2.1	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.7	33.6	0.9
Hi-Line	0.0	0.0	13.2	0.8	4.6	0.3	0.2	0.1	1.2	3.1	0.0	0.0	2.2	1.3	21.4	0.6
Butte 86	0.0	0.0	0.0	0.0	1.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	17.7	10.4	19.2	0.5
Gunner	0.0	0.0	0.0	0.0	18.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.5	0.5
BR 2306	0.0	0.0	8.3	0.5	0.0	0.0	9.3	3.8	0.0	0.0	0.0	0.0	0.0	0.0	17.6	0.5
Olaf	0.0	0.0	0.0	0.0	13.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	2.9	1.7	16.8	0.4
Keene	0.0	0.0	0.0	0.0	7.7	0.5	0.0	0.0	0.0	0.0	0.0	0.0	5.3	3.1	13.0	0.3
Kulm	0.0	0.0	0.0	0.0	12.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.4	0.3
Newana	0.1	0.5	3.3	0.2	3.1	0.2	0.5	0.2	0.0	0.0	3.9	5.1	0.3	0.2	11.2	0.3
Other & Unknown	5.9	23.6	62.3	3.8	60.4	3.9	24.7	10.2	5.7	14.4	9.0	12.0	23.0	13.5	190.9	5.1
All Varieties	**25.0**	**100.0**	**1,650.0**	**100.0**	**1,545.0**	**100.0**	**244.0**	**100.0**	**40.0**	**100.0**	**76.0**	**100.0**	**170.0**	**100.0**	**3,750.0**	**100.0**

1/ Columns may not sum to all varieties due to rounding.

Spring Wheat: Percent of Total Seeded Acreage 1996-2002 & Seeded Acreage 2001-2002 1/

Variety	Percent of Total Seeded Acreage							Seeded Acres (000)	
	1996	1997	1998	1999	2000	2001 2/	2002	2001 2/	2002
McNeal	1.3	16.2	26.5	40.4	48.8	49.2	39.4	1,746.1	1,476.9
Reeder	--	--	--	--	0.1	3.4	10.6	119.5	396.8
Ernest	0.2	3.2	7.6	9.4	10.7	10.1	10.4	357.7	389.9
Fortuna	5.9	6.3	6.5	5.0	4.9	5.1	7.0	179.6	262.6
Amidon	28.0	24.7	17.2	14.2	10.9	7.8	6.4	277.2	241.5
Conan	--	--	--	--	1.0	3.1	4.5	108.3	167.8
Westbred Rambo	9.9	10.0	7.9	6.7	5.3	3.2	3.4	114.6	125.8
Scholar	--	--	--	--	--	0.5	1.8	17.9	67.0
Parshall	--	--	--	--	--	0.5	1.7	17.0	62.4
Lew	4.4	2.5	1.8	1.3	0.9	1.2	1.6	41.4	60.8
Grandin	8.8	8.9	6.2	3.1	3.3	1.3	1.4	46.7	53.9
Westbred 926	2.5	2.7	1.8	2.5	2.2	1.8	1.4	63.5	51.1
Westbred 936	1.4	1.0	1.6	1.7	3.5	1.5	1.0	51.6	38.9
Len	3.6	3.1	1.8	1.2	1.6	1.2	0.9	43.8	33.6
Hi-Line	5.6	3.1	3.0	1.7	1.1	1.4	0.6	50.7	21.4
Butte 86	--	--	--	--	--	--	0.5	--	19.2
Gunner	--	--	--	--	--	--	0.5	--	18.5
BR 2306	--	--	--	--	--	--	0.5	--	17.6
Olaf	--	--	--	--	--	--	0.4	--	16.8
Keene	--	--	--	--	0.3	0.7	0.3	23.3	13.0
Kulm	0.5	0.4	1.9	0.8	1.1	0.8	0.3	29.2	12.4
Newana	5.0	2.4	2.0	1.2	0.9	0.6	0.3	22.6	11.2
Other & Unknown	22.9	15.5	14.2	10.8	3.4	6.6	5.1	239.3	190.9
All Varieties	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**3,550.0**	**3,750.0**

1/ Columns may not sum to all varieties due to rounding. 2/ Revised.

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Winter Wheat

Neeley remained the leading variety of winter wheat seeded in Montana for the fourteenth consecutive year, with over 273 thousand acres planted in the state. Total acres planted decreased 5 percent from last year's number of nearly 289 thousand acres. Neeley was developed by the Agricultural Research Service, United States Department of Agriculture (USDA) in cooperation with the Idaho Agricultural Experiment Station and released in 1980. It is a semi-dwarf variety, with intermediate maturity.

Rampart remained in second position in 2001, with almost 187 thousand acres seeded this crop season. Rampart, a hard red winter wheat, was developed by the Montana Agricultural Experiment Station and released in 1996. It is an awned, red-chaffed, solid-stemmed variety. Kernels are hard red, with a mid-sized germ. Rampart is resistant to the wheat stem sawfly and to prevalent races of stem rust. It is susceptible to stripe rust, leaf rust, dwarf smut, and the Russian wheat aphid. Rampart has excellent milling and baking qualities.

Tiber remained in third place with just over 132 thousand acres seeded. Last year over 169 thousand acres were put in the ground. Tiber is a standard-height, hard red winter wheat variety released by the Montana Agricultural Experiment Station in 1987. Tiber is a bearded, brown-chaffed, stiff-strawed variety. It has a high yield potential, good shatter resistance, and good winter hardiness (similar to Redwin). Tiber's resistance to lodging and shattering is equal to Redwin, but shorter in straw height than Winalta. It also has moderate resistance to the leaf spot complex, but is susceptible to dwarf smut, stem rust, and very susceptible to stripe rust.

Morgan replaces Vanguard this year as the number four variety in Montana, with over 118 thousand acres planted in 2001. This accounted for close to 10 percent of the state's seeded acreage. Morgan is a semi-dwarf hard red winter wheat developed by the Crop Development Centre (CDC) at the University of Saskatchewan. It is recommended for the high winter stress areas of Montana and North Dakota.

These top four varieties accounted for 59.2 percent of the winter wheat acreage seeded in 2001. In 2000, these same four varieties accounted for 52.6 percent of the total acreage for the state.

Spring Wheat

McNeal was the leading spring wheat variety planted for the forth consecutive year, accounting for over 48 percent of the seeded acreage, with more than 1.65 million acres planted. That is a jump of 5.7 percent in McNeal acres from 2000, while spring wheat acreage is up 1.5 percent in general this year. McNeal was developed by the Montana Agricultural Experiment Station and released in March 1995. It is a semi-dwarf, hard red spring wheat with red chaff and tan straw. Under Montana growing conditions, McNeal is moderately resistant to lodging and to prevalent races of stem rust and wheat streak mosaic virus. It is somewhat susceptible to leaf rust and stripe rust, and is also fairly vulnerable to Russian wheat aphid and the wheat stem sawfly.

Ernest moved into second place with 349 thousand acres planted this year. Last year Ernest was the third most popular variety with nearly 342 thousand acres. Ernest was developed by the North Dakota Agricultural Experiment Station and released in 1995. It is an awned, white chaffed, standard height, solid stemmed, hard red spring wheat. It is resistant to wheat stem sawfly, leaf rust, and stem rust.

Amidon fell to third place in ranking this year with 255 thousand acres planted. Amidon is an awned, standard height, hard red spring wheat cooperatively developed and released by North Dakota Agricultural Experiment Station and USDA in 1988. It is resistant to leaf rust and stem rust, with a leaf spotting rating better than Stoa and Len. It has exhibited an intermediate level of stem solidness. Amidon has a higher protein than Newana, and overall milling and baking qualities are equal to or better than Newana.

Fortuna took over fourth place from Westbred Rambo this year with over 185 thousand acres planted statewide. It is a beardless variety with white chaff and straw. It is a solid stem variety that is resistant to wheat stem sawfly. Fortuna is susceptible to Septoria and black chaff fungus. This spring wheat variety was developed at the North Dakota Agricultural Experiment Station with the Crops Research Division of the USDA Cooperating.

The top four varieties accounted for nearly 71.8 percent of the spring wheat acreage seeded in 2001. These same four varieties accounted for 71.8 percent in 2000 as well.

This report was made possible by funds provided by the Montana Wheat & Barley Committee. This survey was conducted by the Montana Agricultural Statistics Service.

Peggy Stringer
State Statistician

John Gibbons
Agricultural Statistician

Kyle continued to be the leading durum variety for the fifth consecutive year. There were over 236 thousand acres planted in the state, accounting for 43.7 percent of the total seeded acres. Kyle was developed by the Agriculture Canada Research Station, Swift Current, Saskatchewan and released in 1984. Kyle is resistant to leaf and stem rust. It is moderately susceptible to tan spot and Septoria leaf spot and susceptible to loose smut.

Mountrail moved up from fourteenth position to become the second most popular variety of durum wheat in the state. Almost 50 thousand acres were planted or 9.2 percent of the state's durum wheat. Mountrail was developed from the cross of D8479 and Renville by the North Dakota Agricultural Experiment Station, and was released in 1999. The variety has a high semolina extract with strong gluten. It is resistant to both leaf and stem rusts.

Ben took third place ranking this year with over 44 thousand acres planted or 8.2 percent of the state total for durum wheat. Ben was developed in North Dakota and released in 1996. This durum wheat is medium height, medium maturity, large kernel size with high protein. Ben is resistant to leaf rust, stem rust, and leaf spot complex. It is moderately susceptible to stripe rust.

Utopia fell one place to become the fourth most popular variety of durum wheat. Nearly 41 thousand acres were planted or 7.6 percent of the state's durum wheat. Utopia was established at the University of Arizona, Mesa Experimental Station in 1982. Utopia is a semi-dwarf spring durum with very early maturation and low susceptibility to lodging. It is black awned and has shown uniformity and yield stability within cultural regimes, high input fully irrigated, and low input with limited irrigation.

These top four varieties account for 68.7 percent of total acres seeded to durum wheat. This is comparable to the 67.1 percent reported in 2000 for the same varieties.

Durum Wheat: Seeded Acreage and Percent of Total Seeded by Districts - 2001

Variety	North Central		Northeast		Central		Other Districts		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Kyle	11.1	17.0	224.3	51.1	0.7	3.7	0.0	0.0	236.1	43.7
Mountrail	0.0	0.0	49.6	11.3	0.0	0.0	0.0	0.0	49.6	9.2
Ben	9.2	14.1	28.1	6.4	0.0	0.0	7.1	40.6	44.4	8.2
Utopia	37.8	58.2	0.0	0.0	3.0	16.3	0.0	0.0	40.8	7.6
Renville	0.0	0.0	34.2	7.8	0.0	0.0	1.0	5.8	35.2	6.5
AC Avonlea	1.7	2.6	18.4	4.2	0.0	0.0	0.0	0.0	20.1	3.7
Monroe	0.0	0.0	17.1	3.9	0.0	0.0	0.0	0.0	17.1	3.2
Ward	0.0	0.0	15.8	3.6	0.0	0.0	0.0	0.0	15.8	2.9
Vic	0.0	0.0	8.3	1.9	0.0	0.0	0.0	0.0	8.3	1.5
Sceptre	0.5	0.7	6.6	1.5	1.2	6.5	0.0	0.0	8.3	1.5
Maier	0.0	0.0	3.5	0.8	0.0	0.0	0.9	4.9	4.4	0.8
Munich	0.0	0.0	0.9	0.2	0.0	0.0	2.0	11.7	2.9	0.5
Stockholm	2.8	4.3	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.5
Medora	0.0	0.0	2.2	0.5	0.0	0.0	0.0	0.0	2.2	0.4
Crosby	0.0	0.0	1.8	0.4	0.0	0.0	0.0	0.0	1.8	0.3
Voss	0.0	0.0	1.3	0.3	0.0	0.0	0.0	0.0	1.3	0.2
Wacoma	0.0	0.0	1.3	0.3	0.0	0.0	0.0	0.0	1.3	0.2
Kamut	0.0	0.0	0.9	0.2	0.0	0.0	0.0	0.0	0.9	0.2
Other & Unknown	1.9	3.1	24.7	5.6	13.6	73.5	6.5	37.0	46.7	8.9
All Varieties	65.0	100.0	439.0	100.0	18.5	100.0	17.5	100.0	540.0	100.0

Durum Wheat: Percent of Total Seeded Acreage 1995-2001 & Seeded Acreage 2000-2001

Variety	Percent of Total Seeded Acreage							Seeded Acres (000)	
	1995	1996	1997	1998	1999	2000 [1]	2001	2000 [1]	2001
Kyle	23.4	20.4	38.4	44.5	55.3	52.5	43.7	252.0	236.1
Mountrail	--	--	--	--	0.0	0.9	9.2	4.5	49.6
Ben	--	--	--	0.2	4.1	7.8	8.2	37.4	44.4
Utopia	--	--	--	--	1.4	5.8	7.6	28.0	40.8
Renville	10.0	9.0	8.4	6.0	4.8	5.2	6.5	24.8	35.2
AC Avonlea	--	--	--	--	0.0	1.4	3.7	6.9	20.1
Monroe	11.1	20.5	14.1	7.4	4.8	2.9	3.2	13.8	17.1
Ward	4.7	5.4	1.9	1.9	4.4	2.3	2.9	11.0	15.8
Vic	17.7	13.9	7.4	8.6	8.1	2.6	1.5	12.7	8.3
Sceptre	3.8	3.1	5.1	6.8	3.4	2.9	1.5	14.0	8.3
Maier	--	--	--	--	--	0.1	0.8	0.5	4.4
Munich	--	--	--	--	1.0	0.9	0.5	4.5	2.9
Stockholm	--	--	--	0.4	0.4	0.0	0.5	0.2	2.8
Medora	6.0	2.4	8.7	6.6	3.3	3.5	0.4	16.8	2.2
Crosby	3.5	7.8	5.1	0.7	0.9	0.4	0.3	2.0	1.8
Voss	--	--	1.0	4.2	--	0.0	0.2	0.0	1.3
Wacoma	--	--	--	--	0.3	0.1	0.2	0.3	1.3
Kamut	0.3	0.5	0.7	0.1	1.4	0.5	0.2	2.2	0.9
Other & Unknown	19.5	17.0	9.2	12.6	6.4	10.2	8.9	48.4	46.7
All Varieties	100.0	100.0	100.0	100.0	100.0	100.0	100.0	480.0	540.0

1 Revised

Spring Wheat: 2001 Seeded Acreage and Percent of Total Seeded by Districts

Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
McNeal	13.2	30.0	670.5	43.4	679.2	56.6	148.2	54.9	12.5	32.1	52.6	50.1	74.9	38.0	1,651.1	48.6
Ernest	0.0	0.0	239.5	15.5	84.0	7.0	4.1	1.5	0.0	0.0	1.9	1.8	19.5	9.9	349.0	10.3
Amidon	0.0	0.0	66.4	4.3	148.8	12.4	4.1	1.5	0.0	0.0	2.8	2.7	32.9	16.7	255.0	7.5
Fortuna	0.0	0.0	148.3	9.6	2.4	0.2	18.9	7.0	0.8	2.1	14.9	14.2	0.0	0.0	185.3	5.5
Westbred Rambo	0.0	0.0	103.5	6.7	4.8	0.4	5.9	2.2	0.0	0.0	1.4	1.3	0.0	0.0	115.6	3.4
Conan	0.0	0.0	108.2	7.0	1.2	0.1	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	109.9	3.2
Reeder	0.0	0.0	4.6	0.3	84.0	7.0	9.5	3.5	0.0	0.0	6.8	6.5	1.0	0.5	105.9	3.1
Westbred 926	10.3	23.3	17.0	1.1	0.0	0.0	25.9	9.6	3.8	9.7	6.0	5.7	3.3	1.7	66.3	2.0
Westbred 936	7.9	17.9	21.6	1.4	0.0	0.0	6.5	2.4	13.1	33.5	0.4	0.4	2.2	1.1	51.7	1.5
Hi-Line	0.3	0.7	23.2	1.5	6.0	0.5	11.1	4.1	4.9	12.6	0.6	0.6	3.3	1.7	49.4	1.5
Lew	0.0	0.0	29.4	1.9	6.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5	5.7	2.9	41.6	1.2
Grandin	0.0	0.0	1.5	0.1	32.4	2.7	0.0	0.0	0.0	0.0	0.0	0.0	7.7	3.9	41.6	1.2
Len	0.0	0.0	0.0	0.0	32.4	2.7	0.0	0.0	0.0	0.0	0.0	0.0	6.1	3.1	38.5	1.1
Stoa	0.0	0.0	9.3	0.6	13.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	5.7	2.9	28.2	0.8
Kulm	0.0	0.0	0.0	0.0	24.0	2.0	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	24.8	0.7
Newana	0.0	0.0	7.7	0.5	8.4	0.7	3.2	1.2	0.4	1.1	1.2	1.1	0.4	0.2	21.3	0.6
Keene	0.0	0.0	0.0	0.0	16.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	3.7	1.9	20.5	0.6
Scholar	0.0	0.0	13.9	0.9	1.2	0.1	2.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0	17.8	0.5
Sonja	0.0	0.0	13.9	0.9	3.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5	0.5
Pristine	0.0	0.0	13.9	0.9	0.0	0.0	2.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0	16.1	0.5
Parshall	0.0	0.0	0.0	0.0	14.4	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.4	0.4
Trenton	0.0	0.0	0.0	0.0	8.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	4.3	2.2	12.7	0.4
Other & Unknown	12.3	28.1	52.6	3.4	28.8	2.4	26.4	9.8	3.5	8.9	15.9	15.1	26.3	13.3	165.8	4.9
All Varieties	44.0	100.0	1,545.0	100.0	1,200.0	100.0	270.0	100.0	39.0	100.0	105.0	100.0	197.0	100.0	3,400.0	100.0

Spring Wheat: Percent of Total Seeded Acreage 1995-2001 & Seeded Acreage 2000-2001

Variety	Percent of Total Seeded Acreage							Seeded Acres (000)	
	1995	1996	1997	1998	1999	2000 [1]	2001	2000 [1]	2001
McNeal	--	1.3	16.2	26.5	40.4	48.8	48.6	1,561.8	1,651.1
Ernest	--	0.2	3.2	7.6	9.4	10.7	10.3	341.7	349.0
Amidon	29.9	28.0	24.7	17.2	14.2	10.9	7.5	347.4	255.0
Fortuna	8.3	5.9	6.3	6.5	5.0	4.9	5.5	155.5	185.3
Westbred Rambo	10.5	9.9	10.0	7.9	6.7	5.3	3.4	170.9	115.6
Conan	--	--	--	--	0.0	1.0	3.2	32.4	109.9
Reeder	--	--	--	--	--	0.1	3.1	3.4	105.9
Westbred 926	3.0	2.5	2.7	1.8	2.5	2.2	2.0	69.4	66.3
Westbred 936	0.3	1.4	1.0	1.6	1.7	3.5	1.5	113.4	51.7
Hi-Line	4.3	5.6	3.1	3.0	1.7	1.1	1.5	34.2	49.4
Lew	4.9	4.4	2.5	1.8	1.3	0.9	1.2	30.2	41.6
Grandin	7.3	8.8	8.9	6.2	3.1	3.3	1.2	107.1	41.6
Len	6.3	3.6	3.1	1.8	1.2	1.6	1.1	49.7	38.5
Stoa	3.6	6.1	4.5	3.4	1.5	0.8	0.8	24.9	28.2
Kulm	--	0.5	0.4	1.9	0.8	1.1	0.7	35.2	24.8
Newana	5.8	5.0	2.4	2.0	1.2	0.9	0.6	28.6	21.3
Keene	--	--	--	--	0.0	0.3	0.6	8.0	20.5
Scholar	--	--	--	--	--	0.0	0.5	0.8	17.8
Sonja	--	0.1	0.3	0.3	0.4	0.3	0.5	10.2	17.5
Pristine	--	--	--	--	--	0.0	0.5	0.0	16.1
Parshall	--	--	--	--	--	0.0	0.4	1.3	14.4
Trenton	--	--	--	--	0.4	0.2	0.4	6.3	12.7
Other & Unknown	15.8	16.7	10.7	10.5	8.5	2.1	4.9	217.6	165.8
All Varieties	100.0	100.0	100.0	100.0	100.0	100.0	100.0	3,350.0	3,400.0

1 Revised

Winter Wheat: 2001 Seeded Acreage and Percent of Total Seeded by Districts [1]																
Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Neeley	0.0	0.0	46.7	8.2	22.5	25.0	140.8	49.4	14.5	60.6	48.3	30.2	0.2	0.3	273.0	22.8
Rampart	0.0	0.0	140.8	24.7	0.0	0.0	36.5	12.8	0.0	0.0	9.4	5.9	0.0	0.0	186.7	15.6
Tiber	0.0	0.0	37.6	6.6	16.2	18.0	22.8	8.0	0.7	2.8	37.4	23.4	17.4	26.4	132.1	11.0
Morgan	0.3	5.7	90.1	15.8	1.1	1.2	18.2	6.4	5.6	23.2	1.9	1.2	1.0	1.5	118.2	9.9
Rocky	0.0	0.0	89.5	15.7	2.6	2.9	13.4	4.7	0.0	0.0	0.0	0.0	0.0	0.0	105.5	8.8
Vanguard	0.0	0.0	67.3	11.8	0.0	0.0	7.7	2.7	0.0	0.0	3.5	2.2	0.0	0.0	78.5	6.5
Redwin	0.0	0.0	13.1	2.3	4.4	4.9	0.3	0.1	1.0	4.3	19.0	11.9	10.2	15.5	48.0	4.0
Big Horn	0.0	0.0	22.8	4.0	0.0	0.0	12.5	4.4	0.0	0.0	0.0	0.0	0.0	0.0	35.3	2.9
Winalta	0.0	0.0	2.3	0.4	15.8	17.6	0.3	0.1	0.0	0.0	0.0	0.0	11.5	17.4	29.9	2.5
Quantum 542	0.0	0.0	13.7	2.4	0.0	0.0	6.6	2.3	0.0	0.0	3.8	2.4	0.0	0.0	24.1	2.0
Nuwest*	0.0	0.0	10.3	1.8	0.0	0.0	10.3	3.6	0.0	0.0	0.0	0.0	0.0	0.0	20.6	1.7
Tomahawk	0.3	6.3	1.7	0.3	0.0	0.0	1.1	0.4	0.0	0.0	11.0	6.9	0.0	0.0	14.1	1.2
Roughrider	0.0	0.0	0.0	0.0	11.8	13.1	0.0	0.0	0.0	0.0	0.0	0.0	1.5	2.2	13.3	1.1
Hawk	0.0	0.0	2.3	0.4	0.0	0.0	0.6	0.2	0.0	0.0	6.1	3.8	0.0	0.0	9.0	0.8
Ransom	0.0	0.0	0.0	0.0	2.6	2.9	0.0	0.0	0.0	0.0	0.0	0.0	5.8	8.8	8.4	0.7
McGuire	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.7	0.3	1.2	5.0	3.1	1.1	1.7	8.4	0.7
Kestrel	0.0	0.0	2.9	0.5	3.6	4.0	1.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	8.2	0.7
Norstar	0.0	0.0	4.6	0.8	1.3	1.4	1.1	0.4	0.0	0.0	0.0	0.0	0.3	0.4	7.3	0.6
Promontory	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	5.1	3.2	0.0	0.0	5.2	0.4
Centurk	0.0	0.0	4.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.4
Judith	0.0	0.0	1.7	0.3	0.0	0.0	0.3	0.1	0.0	0.0	0.2	0.1	1.1	1.7	3.3	0.3
Stephens*	0.6	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	2.4	0.0	0.0	2.0	3.0	3.2	0.3
Other & Unknown	3.8	76.0	18.0	3.2	8.1	9.0	8.8	3.1	1.2	5.1	9.3	5.7	13.9	21.1	63.1	5.3
All Varieties	5.0	100.0	570.0	100.0	90.0	100.0	285.0	100.0	24.0	100.0	160.0	100.0	66.0	100.0	1,200.0	100.0

Totals may not add due to rounding. * White wheat variety

Winter Wheat: Percent of Total Seeded Acreage 1995-2001 & Seeded Acreage 2000-2001									
Variety	Percent of Total Seeded Acreage							Seeded Acres (000)	
	1995	1996	1997	1998	1999	2000 [1]	2001	2000 [1]	2001
Neeley	23.6	24.6	24.3	20.0	20.8	19.2	22.8	288.6	273.0
Rampart	--	--	--	1.8	9.0	13.8	15.6	206.8	186.7
Tiber	12.4	16.5	13.4	14.2	17.3	11.3	11.0	169.3	132.1
Morgan	--	--	--	2.2	7.0	8.3	9.9	124.0	118.2
Rocky	16.5	14.6	19.1	13.4	8.2	6.9	8.8	103.6	105.5
Vanguard	--	--	0.8	10.3	7.0	9.4	6.5	140.5	78.5
Redwin	8.9	11.4	10.6	6.1	4.7	6.4	4.0	95.7	48.0
Bighorn	0.7	4.0	2.3	3.5	3.6	3.3	2.9	49.8	35.3
Winalta	2.8	3.5	1.9	2.9	1.7	1.1	2.5	17.1	29.9
Quantum 542	1.8	0.6	1.2	1.0	1.4	2.2	2.0	33.1	24.1
Nuwest *	--	--	0.1	--	0.5	0.4	1.7	6.4	20.6
Tomahawk	--	--	0.1	0.2	0.6	0.9	1.2	13.9	14.1
Roughrider	1.0	2.1	2.3	1.3	1.1	1.1	1.1	16.8	13.3
Hawk	2.4	0.9	1.7	1.3	2.0	0.7	0.8	10.6	9.0
Ransom	--	--	--	--	--	0.1	0.7	1.0	8.4
McGuire	--	--	--	--	0.0	0.6	0.7	9.3	8.4
Kestrel	0.4	1.4	4.0	1.3	1.4	0.9	0.7	13.0	8.2
Norstar	4.0	1.8	1.8	1.7	1.5	0.8	0.6	11.7	7.3
Promotory	--	--	--	0.7	0.1	0.2	0.4	2.9	5.2
Centurk	3.1	3.1	1.5	0.9	0.9	0.5	0.4	7.7	4.6
Judith	8.2	3.7	3.4	4.3	1.0	2.3	0.3	34.7	3.3
Stephens*	--	--	0.5	0.5	0.0	0.1	0.3	1.7	3.2
Other & Unknown	14.2	11.8	11.0	12.4	10.2	9.5	5.3	141.8	63.1
All Varieties	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1,500.0	1,200.0

1 Revised * White wheat variety

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WINTER WHEAT

Neeley remained the leading variety of winter wheat seeded in Montana for the thirteenth consecutive year, with over 307 thousand acres planted in the state. Total acres planted increased from last year's 218 thousand acres. Neeley was developed by the Agricultural Research Service, United States Department of Agriculture (USDA) in cooperation with the Idaho Agricultural Experiment Station and released in 1980. It is a semi-dwarf variety, with intermediate maturity.

Rampart moved into second place position with almost 195 thousand acres seeded in 2000. Rampart, a hard red winter wheat, was developed by the Montana Agricultural Experiment Station and released in 1996. It is an awned, red-chaffed, solid-stemmed variety. Kernels are hard red, with a mid-sized germ. Rampart is resistant to the wheat stem sawfly and to prevalent races of stem rust. It is susceptible to stripe rust, leaf rust, dwarf smut, and the Russian wheat aphid. Rampart has excellent milling and baking qualities.

Tiber dropped into third place position with 176 thousand acres compared with 182 thousand last year. Tiber is a standard-height, hard red winter wheat variety released by the Montana Agricultural Experiment Station in 1987. Tiber is a bearded, brown-chaffed, stiff-strawed variety. It has a high yield potential, good shatter resistance and good winter hardiness (similar to Redwin). Tiber's resistance to lodging and shattering is equal to Redwin; shorter in straw height than Winalta. It also has moderate resistance to the leaf spot complex, but is susceptible to dwarf smut, stem rust, and very susceptible to stripe rust. Tiber has average milling and baking quality.

Vanguard replaced Rocky this year with over 132 thousand acres planted in 2000. This accounted for over 8.8 percent of seeded acreage. Vanguard is a hard red winter wheat with a high protein content and good milling and baking qualities. This variety is highly resistant to sawfly infestation.

These top four varieties accounted for 54 percent of the winter wheat acreage seeded in 2000. In 1999, these same four varieties also accounted for 54 percent of the total acreage for the state.

SPRING WHEAT

McNeal was the leading spring wheat variety planted for the third consecutive year, accounting for over 46 percent of the seeded acreage with nearly 1.49 million acres planted. McNeal was developed by the Montana Agricultural Experiment Station and released in March 1995. It is a semi-dwarf, hard red spring wheat with red chaff and tan straw. Under Montana growing conditions, McNeal is moderately resistant to lodging and to prevalent races of stem rust and wheat streak mosaic virus. It is somewhat susceptible to leaf rust and stripe rust, and is also fairly vulnerable to Russian wheat aphid and the wheat stem sawfly. McNeal's milling and baking qualities are acceptable by industry.

Amidon remained in second place again this year with 323.3 thousand acres planted. Amidon is an awned, standard height, hard red spring wheat cooperatively developed and released by North Dakota Agricultural Experiment Station and USDA in 1988. It is resistant to leaf rust and stem rust, with a leaf spotting rating better than Stoa and Len. It has exhibited an intermediate level of stem solidness. Amidon has a higher protein than Newana, and overall milling and baking qualities are equal to or better than Newana.

Ernest remained in third place with 300 hundred acres less than Amidon, accounting for 323 thousand acres planted this year. Ernest was developed by the North Dakota Agricultural Experiment Station and released in 1995. It is an awned, white chaffed, standard height, solid stemmed, hard red spring wheat. It is resistant to wheat stem sawfly, leaf rust, and stem rust.

Westbred Rambo held fourth place again this year with over 163 thousand acres planted in the state. It is a medium maturity variety with a high test weight rating and good yield. It is very resistant to stem rust and sawfly infestation.

The top four varieties accounted for nearly 72 percent of the spring wheat acreage seeded in 2000. These same four varieties accounted for nearly 71 percent in 1999.

This report was made possible by funds provided by the Montana Wheat & Barley Committee. This survey was conducted by the Montana Agricultural Statistics Service.

Peggy Stringer
State Statistician

Sareca Vanecek
Student Intern

Darin Jantzi
Agricultural Statistician

Kyle continued to be the leading durum variety for the seventh consecutive year. There were 269 thousand acres planted in the state, accounting for 49 percent of the total seeded acres. Kyle was developed by the Agriculture Canada Research Station, Swift Current, Saskatchewan and released in 1984. Kyle is resistant to leaf and stem rust. It is moderately susceptible to tan spot and septoria leaf spot and susceptible to loose smut.

Utopia moved up from tenth position to second most popular variety of durum wheat. Over 45 thousand acres were planted or 8.3 percent of the state's durum wheat. Utopia was established at the University of Arizona, Mesa Experimental Station in 1982. Utopia is a semi-dwarf spring durum with very early maturation and low susceptibility to lodging. It is black awned and has shown uniformity and yield stability within cultural regimes, high input fully irrigated and low input with limited irrigation.

Ben moved up into third place this year from sixth position last year with 40 thousand acres planted or 7.3 percent of the state total for durum wheat. Ben was developed in North Dakota and released in 1996. This durum wheat is medium height, medium maturity, large kernel size with high protein. Ben is resistant to leaf rust, stem rust, and leaf spot complex. It is moderately susceptible to stripe rust.

Renville maintained fourth place position this year accounting for nearly 28 thousand acres planted. Renville was developed by the North Dakota Agricultural Experiment Station in cooperation with the USDA and released in 1988. This variety has shown good resistance to stem and leaf rust. For Renville, the milling characteristics are good, the gluten is strong, and spaghetti color and cooking characteristics are acceptable.

These top four varieties account for 70 percent of total acres seeded to durum wheat. This is comparable to the 66 percent reported in 1999 for the same four varieties.

Durum Wheat: Seeded Acreage and Percent of Total Seeded by Districts - 2000

Variety	North Central		Northeast		Central		Other Districts		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Kyle	10.7	12.6	258.4	60.1	0.0	0.0	0.0	0.0	269.1	48.9
Utopia	36.4	42.8	0.4	0.1	9.0	50.2	0.0	0.0	45.8	8.3
Ben	2.4	2.8	37.8	8.8	0.0	0.0	0.0	0.0	40.2	7.3
Renville	0.0	0.0	24.1	5.6	0.0	0.0	3.8	22.4	27.9	5.1
Sceptre	10.4	12.2	5.2	1.2	5.0	27.5	0.0	0.0	20.6	3.7
Medora	0.0	0.0	14.2	3.3	0.0	0.0	6.2	36.2	20.4	3.7
Monroe	0.3	0.3	13.3	3.1	0.0	0.0	1.9	11.1	15.5	2.8
Durex	13.4	15.8	0.0	0.0	0.0	0.0	0.0	0.0	13.4	2.4
Vic	0.1	0.1	13.3	3.1	0.0	0.0	0.0	0.0	13.4	2.4
Ward	0.0	0.0	11.6	2.7	0.0	0.0	0.0	0.0	11.6	2.1
AC Avonlea	0.0	0.0	7.3	1.7	0.0	0.0	0.0	0.0	7.3	1.3
Coyote	0.0	0.0	6.5	1.5	0.0	0.0	0.0	0.0	6.5	1.2
Munich	1.9	2.2	3.4	0.8	0.0	0.0	0.0	0.0	5.3	1.0
Mountrail	0.0	0.0	4.7	1.1	0.0	0.0	0.0	0.0	4.7	0.9
Kemut	2.9	3.4	0.4	0.1	0.0	0.0	0.0	0.0	3.3	0.6
Crosby	0.0	0.0	2.2	0.5	0.0	0.0	0.0	0.0	2.2	0.4
Kronos	0.0	0.0	1.3	0.3	0.0	0.0	0.0	0.0	1.3	0.2
Plenty	0.0	0.0	0.9	0.2	0.0	0.0	0.0	0.0	0.9	0.2
Other & Unknown	6.5	7.8	25.0	5.8	4.0	22.3	5.1	30.3	40.6	7.5
All Varieties	85.0	100.0	430.0	100.0	18.0	100.0	17.0	100.0	550.0	100.0

Durum Wheat: Percent of Total Seeded Acreage 1994-2000 & Seeded Acreage 1999-2000

Variety	Percent of Total Seeded Acreage							Seeded Acres (000)	
	1994	1995	1996	1997	1998	1999 [1]	2000	1999 [1]	2000
Kyle	23.6	23.4	20.4	38.4	44.5	55.3	48.9	199.2	269.1
Utopia	--	--	--	--	--	1.4	8.3	5.2	45.8
Ben	--	--	--	--	0.2	4.1	7.3	14.8	40.2
Renville	7.4	10.0	9.0	8.4	6.0	4.8	5.1	17.1	27.9
Sceptre	--	3.8	3.1	5.1	6.8	3.4	3.7	12.1	20.6
Medora	3.4	6.0	2.4	8.7	6.6	3.3	3.7	11.8	20.4
Monroe	22.5	11.1	20.5	14.1	7.4	4.8	2.8	17.1	15.5
Durex	--	--	0.8	1.0	0.1	0.2	2.4	0.8	13.4
Vic	9.3	17.7	13.9	7.4	8.6	8.1	2.4	29.2	13.4
Ward	4.6	4.7	5.4	1.9	1.9	4.4	2.1	15.9	11.6
AC Avonlea	--	--	--	--	--	0.0	1.3	0.0	7.3
Coyote	--	--	--	--	2.3	0.4	1.2	1.4	6.5
Munich	--	--	--	--	--	1.0	1.0	3.5	5.3
Mountrail	--	--	--	--	--	0.0	0.9	0.0	4.7
Kemut	1.1	0.3	0.5	0.7	--	1.4	0.6	4.9	3.3
Crosby	6.4	3.5	7.8	5.1	0.7	0.9	0.4	3.2	2.2
Kronos	--	--	--	--	--	0.0	0.2	0.0	1.3
Plenty	--	--	--	--	--	0.0	0.2	0.0	0.9
Other & Unknown	21.7	19.5	16.2	9.2	14.9	6.5	7.5	23.8	40.6
All Varieties	100.0	100.0	100.0	100.0	100.0	100.0	100.0	360.0	550.0

1 Revised

Winter Wheat: 2000 Seeded Acreage and Percent of Total Seeded by Districts																
Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Neeley	0.0	0.0	59.8	8.8	14.6	12.8	184.3	48.5	18.8	62.6	26.5	14.3	3.4	3.2	307.4	20.5
Rampart	0.3	4.6	154.4	22.7	0.0	0.0	21.7	5.7	0.4	1.4	15.5	8.4	2.0	1.9	194.3	13.0
Tiber	0.3	5.2	43.5	6.4	30.0	26.3	39.9	10.5	1.8	6.0	28.1	15.2	32.3	30.8	175.9	11.7
Vanguard	0.0	0.0	93.8	13.8	0.0	0.0	20.1	5.3	0.0	0.0	18.7	10.1	0.0	0.0	132.6	8.8
Morgan	0.0	0.0	83.0	12.2	4.9	4.3	22.0	5.8	2.5	8.3	4.3	2.3	3.8	3.6	120.5	8.0
Rocky	0.0	0.0	79.6	11.7	3.2	2.8	16.0	4.2	0.0	0.0	0.2	0.1	0.0	0.0	99.0	6.6
Redwin	0.0	0.0	19.0	2.8	6.7	5.9	3.0	0.8	0.0	0.0	48.1	26.0	15.5	14.8	92.3	6.2
Bighorn	0.0	0.0	27.9	4.1	0.6	0.5	21.3	5.6	0.0	0.0	0.0	0.0	0.0	0.0	49.8	3.3
Judith	0.1	1.6	27.9	4.1	0.0	0.0	2.7	0.7	0.0	0.0	1.7	0.9	0.1	0.1	32.5	2.2
Quantum 542	0.0	0.0	20.4	3.0	0.0	0.0	10.6	2.8	0.0	0.0	1.3	0.7	0.0	0.0	32.3	2.2
Winalta	0.0	0.0	2.0	0.3	7.5	6.6	0.0	0.0	0.1	0.2	0.0	0.0	9.7	9.2	19.3	1.3
Roughrider	0.0	0.0	0.0	0.0	15.2	13.3	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.9	17.2	1.1
Tomahawk	0.5	8.0	6.8	1.0	0.2	0.2	1.5	0.4	0.0	0.0	6.7	3.6	0.0	0.0	15.7	1.0
Kestrel	0.0	0.0	5.4	0.8	6.0	5.3	1.9	0.5	0.0	0.0	0.0	0.0	0.6	0.6	13.9	0.9
Norstar	0.0	0.0	2.7	0.4	4.9	4.3	3.4	0.9	0.0	0.0	0.0	0.0	0.6	0.6	11.6	0.8
Hawk	0.0	0.0	2.7	0.4	0.0	0.0	2.3	0.6	0.0	0.0	6.1	3.3	0.0	0.0	11.1	0.7
Erhardt	0.0	0.0	0.0	0.0	5.8	5.1	0.8	0.2	0.0	0.0	0.0	0.0	4.3	4.1	10.9	0.7
McGuire	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.2	7.4	4.0	2.1	2.0	9.9	0.7
Centurk	0.0	0.0	6.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	7.1	0.5
Nuwest *	0.0	0.0	2.0	0.3	0.0	0.0	4.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	6.2	0.4
Weston	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	2.6	1.2	1.1	6.0	0.4
Warrior	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1	0.0	0.0	2.4	1.3	2.8	2.7	5.6	0.4
Other & Unknown	4.8	80.6	42.3	6.2	14.4	12.6	23.9	6.3	6.0	20.3	13.2	7.2	24.3	23.1	128.9	8.6
All Varieties	6.0	100.0	680.0	100.0	114.0	100.0	380.0	100.0	30.0	100.0	185.0	100.0	105.0	100.0	1,500.0	100.0

* White wheat variety

Winter Wheat: Percent of Total Seeded Acreage 1994-2000 & Seeded Acreage 1999-2000									
Variety	Percent of Total Seeded Acreage							Seeded Acres (000)	
	1994	1995	1996	1997	1998	1999 [1]	2000	1999 [1]	2000
Neeley	23.3	23.6	24.6	24.3	20.0	20.8	20.5	218.4	307.4
Rampart	--	--	--	--	1.8	9.0	13.0	94.9	194.3
Tiber	16.2	12.4	16.5	13.4	14.2	17.3	11.7	182.0	175.9
Vanguard	--	--	--	0.8	10.3	7.0	8.8	73.0	132.6
Morgan	--	--	--	--	2.2	7.0	8.0	73.6	120.5
Rocky	13.3	16.5	14.6	19.1	13.4	8.2	6.6	86.5	99.0
Redwin	10.0	8.9	11.4	10.6	6.1	4.7	6.2	49.4	92.3
Bighorn	1.3	0.7	4.0	2.3	3.5	3.6	3.3	37.5	49.8
Judith	10.2	8.2	3.7	3.4	4.3	1.0	2.2	10.1	32.5
Quantum 542	1.1	1.8	0.6	1.2	1.0	1.4	2.2	15.0	32.3
Winalta	4.4	2.8	3.5	1.9	2.9	1.7	1.3	17.6	19.3
Roughrider	1.8	1.0	2.1	2.3	1.3	1.1	1.1	11.9	17.2
Tomahawk	--	--	--	0.1	0.2	0.6	1.0	6.5	15.7
Kestrel	0.1	0.4	1.4	4.0	1.3	1.4	0.9	15.1	13.9
Norstar	2.0	4.0	1.8	1.8	1.7	1.5	0.8	15.6	11.6
Hawk	0.9	2.4	0.9	1.7	1.3	2.0	0.7	20.7	11.1
Erhardt	--	--	--	--	--	0.1	0.7	0.6	10.9
McGuire	--	--	--	--	--	0.0	0.7	0.4	9.9
Centurk	2.6	3.1	3.1	1.5	0.9	0.9	0.5	9.2	7.1
Nuwest *	--	--	--	0.1	--	0.5	0.4	5.3	6.2
Weston	1.1	0.6	0.6	0.5	0.6	0.6	0.4	6.3	6.0
Warrior	1.7	0.7	0.4	0.6	0.7	1.2	0.4	12.4	5.6
Other & Unknown	10.0	12.9	10.8	10.4	12.3	8.4	8.6	88.0	128.9
All Varieties	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1,050.0	1,500.0

1 Revised
* White wheat variety

Spring Wheat: 2000 Seeded Acreage and Percent of Total Seeded by Districts																
Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
McNeal	3.0	7.3	526.0	40.9	702.0	54.0	145.7	49.4	11.0	24.4	36.4	49.8	61.0	38.1	1,485.1	46.4
Amidon	0.0	0.0	59.2	4.6	232.7	17.9	11.5	3.9	0.2	0.5	4.2	5.8	15.5	9.7	323.3	10.1
Ernest	0.0	0.0	201.9	15.7	102.7	7.9	8.0	2.7	0.0	0.0	0.5	0.7	9.9	6.2	323.0	10.1
Westbred Rambo	0.0	0.0	155.6	12.1	6.5	0.5	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	163.3	5.1
Fortuna	0.0	0.0	132.5	10.3	1.3	0.1	11.8	4.0	0.0	0.0	4.8	6.6	0.3	0.2	150.7	4.7
Westbred 936	13.9	33.8	76.4	1.1	0.0	0.0	8.9	3.0	12.0	26.6	1.3	1.8	0.5	0.3	113.0	3.5
Grandin	0.0	0.0	5.1	0.4	63.7	4.9	0.9	0.3	0.0	0.0	5.3	7.3	25.6	16.0	100.6	3.1
Westbred 926	7.4	18.0	19.3	1.5	0.0	0.0	41.9	14.2	3.0	6.7	0.7	0.9	0.8	0.5	73.1	2.3
Len	0.0	0.0	0.0	0.0	39.0	3.0	0.0	0.0	0.0	0.0	0.2	0.3	6.6	4.1	45.8	1.4
Hi-Line	0.0	0.0	16.7	1.3	6.5	0.5	4.7	1.6	3.9	8.6	0.3	0.4	1.4	0.9	33.5	1.0
Kulm	0.0	0.0	1.3	0.1	28.6	2.2	0.6	0.2	0.0	0.0	0.0	0.0	1.9	1.2	32.4	1.0
Conan	0.0	0.0	28.3	2.2	0.0	0.0	0.6	0.2	0.0	0.0	0.0	0.0	2.2	1.4	31.1	1.0
Lew	0.0	0.0	19.3	1.5	3.9	0.3	0.3	0.1	0.0	0.0	5.3	7.2	0.5	0.3	29.3	0.9
Newana	0.3	0.7	12.9	1.0	6.5	0.5	2.7	0.9	3.6	8.1	1.1	1.5	1.0	0.6	28.1	0.9
Stoa	0.0	0.0	3.9	0.3	14.3	1.1	0.0	0.0	0.0	0.0	0.1	0.1	5.0	3.1	23.3	0.7
Fergus	0.0	0.0	7.7	0.6	0.0	0.0	9.1	3.1	1.5	3.4	0.0	0.0	0.0	0.0	18.3	0.6
Westbred Express	5.7	13.9	1.3	0.1	0.0	0.0	4.7	1.6	3.1	6.8	0.3	0.4	0.3	0.2	15.4	0.5
ID 377S *	0.7	1.6	9.0	0.7	0.0	0.0	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	11.2	0.4
Sonja	0.0	0.0	5.1	0.4	3.9	0.3	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	9.6	0.3
Butte 86	0.0	0.0	0.0	0.0	2.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	5.4	3.4	8.0	0.3
Keene	0.0	0.0	0.0	0.0	5.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	2.2	1.4	7.4	0.2
Wildcat	0.0	0.0	3.9	0.3	0.0	0.0	0.0	0.0	0.0	0.0	1.7	2.3	0.0	0.0	5.6	0.2
Other & Unknown	10.0	24.7	0.6	4.9	80.6	6.2	40.3	13.7	6.7	14.9	10.8	14.9	19.9	12.4	168.9	5.3
All Varieties	41.0	100.0	1,286.0	100.0	1,300.0	100.0	295.0	100.0	45.0	100.0	73.0	100.0	160.0	100.0	3,200.0	100.0

*White wheat variety

Spring Wheat: Percent of Total Seeded Acreage 1994-2000 & Seeded Acreage 1999-2000									
Variety	Percent of Total Seeded Acreage							Seeded Acres (000)	
	1994	1995	1996	1997	1998	1999 [1]	2000	1999 [1]	2000
McNeal	--	--	1.3	16.2	26.5	40.4	46.4	1,674.7	1,485.1
Amidon	27.9	29.9	28.0	24.7	17.2	14.2	10.1	589.0	323.3
Ernest	--	--	0.2	3.2	7.6	9.4	10.1	389.7	323.0
Westbred Rambo	11.9	10.5	9.9	10.0	7.9	6.7	5.1	279.2	163.3
Fortuna	8.0	8.3	5.9	6.3	6.5	5.0	4.7	208.7	150.7
Westbred 936	0.2	0.3	1.4	1.0	1.6	1.7	3.5	69.5	113.0
Grandin	8.5	7.3	8.8	8.9	6.2	3.1	3.1	128.1	100.6
Westbred 926	2.0	3.0	2.5	2.7	1.8	2.5	2.3	103.9	73.1
Len	6.3	6.3	3.6	3.1	1.8	1.2	1.4	49.2	45.8
Hi-Line	2.4	4.3	5.6	3.1	3.0	1.7	1.0	68.9	33.5
Kulm	--	--	0.5	0.4	1.9	0.8	1.0	35.2	32.4
Conan	--	--	--	--	--	0.0	1.0	0.5	31.1
Lew	7.2	4.9	4.4	2.5	1.8	1.3	0.9	56.0	29.3
Newana	6.9	5.8	5.0	2.4	2.0	1.2	0.9	48.8	28.1
Stoa	5.7	3.6	6.1	4.5	3.4	1.5	0.7	60.4	23.3
Fergus	--	0.2	0.6	0.8	0.6	0.4	0.6	16.4	18.3
Westbred Express	0.3	0.4	0.3	0.6	0.4	0.4	0.5	17.6	15.4
ID 377S *	--	--	--	--	0.1	2.2	0.4	92.1	11.2
Sonja	--	--	0.1	0.3	0.3	0.4	0.3	14.8	9.6
Butte 86	--	--	--	--	--	0.0	0.3	0.7	8.0
Keene	--	--	--	--	--	0.0	0.2	0.0	7.4
Wildcat	--	--	--	--	--	0.3	0.2	13.2	5.6
Other & Unknown	12.7	15.2	15.8	9.3	9.4	5.6	5.3	233.4	168.9
All Varieties	100.0	100.0	100.0	100.0	100.0	100.0	100.0	4,150.0	3,200.0

1 Revised

* White wheat variety

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WINTER WHEAT

Neeley remained the leading variety of winter wheat seeded in Montana for the eleventh consecutive year with 270 thousand acres planted in the state. Total acres planted decreased sharply from last year's 390 thousand acres. This variety is a hard red, semi-dwarf winter wheat with a lower protein level than most hard red winter wheats. It is a moderately late maturing grain and has a fair rating for winter hardiness. Neeley has satisfactory milling and baking qualities.

Rocky maintained its position of the second most popular winter wheat variety for the second consecutive year. Montana farmers planted 194 thousand acres of Rocky this year, a decrease from the 305 thousand acres planted last year. Rocky is a hard red winter wheat that has good yield potential and medium grain protein. This variety is very resistant to lodging and stem rust and has average milling and baking qualities.

Tiber remained in the third place position for the second consecutive year, accounting for 191 thousand acres of winter wheat planted in the state. Total acres of Tiber planted decreased from the 214 thousand acres recorded last year. Tiber is a late maturing variety with a fair rating for winter hardiness and is very resistant to lodging. Tiber has average milling and baking qualities.

Vanguard replaced Redwin as the fourth largest variety planted in Montana. Over 144 thousand acres of Vanguard were planted, accounting for 10 percent of seeded acreage. Vanguard is a hard red winter wheat with a high protein content and good milling and baking qualities. This variety is highly resistant to sawfly infestation.

These top four varieties accounted for 57 percent of the winter wheat acreage seeded in 1998, compared to 67 percent in 1997.

SPRING WHEAT

McNeal was the leading spring wheat variety planted this year, overtaking Amidon after six consecutive years in the top position. This hard red spring wheat accounted for 27 percent of seeded acreage with over 960 thousand acres planted. McNeal is an early maturing variety with superior yield and average protein levels. It is moderately resistant to lodging, stem rust and foliar disease.

Amidon dropped to the second place position this year after a significant decrease in planted acreage. Montana farmers planted only 620 thousand acres, compared to 1.07 million acres planted last year. Amidon is a high yielding, hard red spring wheat with a medium quality rating for test weight and grain protein. It is highly resistant to stem and leaf rust and sawfly infestation. This variety has superior baking and milling qualities.

Westbred Rambo remained the third most popular variety with 277 thousand acres planted this year in the state. This is a drop from last year's 436 thousand acres seeded. Westbred Rambo is a medium maturity variety with a high test weight rating and good yield. It is very resistant to stem rust and sawfly infestation.

Ernest moved up to the fourth place position after a significant increase in planted acres. This year Ernest accounted for 7.6 percent of the state's seeded acreage with 272 thousand acres planted. An early maturing variety, Ernest is rated with a high test weight and medium grain protein levels. It is highly resistant to sawfly infestation, stem and leaf rust and has good milling and baking qualities.

The top four varieties accounted for 59 percent of the spring wheat acreage seeded in 1998, just below the 60 percent reported for 1997.

This report was made possible by funds provided by the Montana Wheat & Barley Committee. This survey was conducted by the Montana Agricultural Statistics Service.

Peggy Stringer
State Statistician

Bill Meyer
Mykel R. Matthews
Agricultural Statisticians

DURUM WHEAT

Kyle continued to be the leading durum variety for the fifth consecutive year. Over 170 thousand acres of Kyle were planted in the state, accounting for 38 percent of the total seeded acres. This is an increase of 60 thousand acres from last year's report. Kyle is a late maturing variety with high grain protein and a high yield potential. It has good resistance to stem and leaf rust.

Sceptre moved up from the sixth place position last year to become the second most popular durum variety with nearly 56 thousand acres planted. Acres of Sceptre planted increased 41 thousand acres from 1997 and this variety accounts for 12 percent of total acres seeded to durum. Sceptre is a moderately early maturing variety that is highly resistant to stem rust. It is medium to tall in height, but has a fairly stiff straw.

Vic is another variety to move up in ranking from its fifth place position last year. Now the third highest variety, 32 thousand acres were seeded in the state compared to 22 thousand acres in 1997. This accounts for almost 7 percent of total seeded acres. Vic is a tall variety that matures moderately early and has high grain protein levels. It has good shatter resistance and is highly tolerant to root rot.

Monroe dropped to the fourth position after two years in second place. Montana farmers planted 29 thousand acres of Monroe, a significant drop from the 41 thousand acres seeded last year. This early maturing variety is resistant to stem and leaf rust and has medium resistance to lodging for dryland farming.

These top four varieties account for 64 percent of total acres seeded to durum wheat. This is comparable to the 69 percent reported in 1997.

Durum Wheat: Seeded Acreage and Percent of Total Seeded by Districts - 1998

Variety	North Central		North East		Central		Other Districts		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Kyle	10.2	8.9	159.2	53.6	2.7	13.3	--	--	172.1	38.2
Sceptre	51.1	44.4	--	--	4.7	23.4	--	--	55.8	12.4
Vic	0.5	0.4	31.8	10.7	--	--	--	--	32.3	7.2
Monroe	3.6	3.1	25.8	8.7	--	--	--	--	29.4	6.6
Renville	2.5	2.2	18.1	6.1	--	--	5.5	31.0	26.1	5.8
Medora	0.3	0.3	24.1	8.1	0.4	2.0	--	--	24.8	5.5
Voss	17.9	15.6	1.2	0.4	--	--	--	--	19.1	4.2
Westbred Laker	6.6	5.7	7.1	2.4	--	--	0.5	3.0	14.2	3.2
Coyote	1.4	1.2	8.0	2.7	--	--	--	--	9.4	2.1
Ward	0.1	0.1	7.1	2.4	--	--	--	--	7.2	1.6
Kronos	6.9	6.0	--	--	--	--	--	--	6.9	1.5
Crosby	--	--	2.7	0.9	--	--	--	--	2.7	0.6
Stockholm	1.8	1.6	--	--	--	--	--	--	1.8	0.4
Durex	1.0	0.9	--	--	--	--	--	--	1.0	0.2
Westbred 881	--	--	0.3	0.1	--	--	0.7	4.0	1.0	0.2
Ben	0.6	0.5	0.3	0.1	--	--	--	--	0.9	0.2
Cando	--	--	--	--	0.5	2.7	--	--	0.5	0.1
Kemut	0.3	0.3	--	--	--	--	--	--	0.3	0.1
Other & Unknown	10.2	8.8	11.3	3.8	11.7	58.6	11.3	62.0	44.5	9.9
State	115.0	100.0	297.0	100.0	20.0	100.0	18.0	100.0	450.0	100.0

Durum Wheat: Percent of Total Seeded Acreage 1992-1998 & Seeded Acreage 1997-1998

Variety	Percent of Total Seeded Acreage							Seeded Acres	
	1992	1993	1994	1995	1996	1997 [1]	1998	1997 [1]	1998
Kyle	2.4	7.0	23.6	23.4	20.4	38.4	38.2	111.5	172.1
Sceptre	--	--	--	3.8	3.1	5.1	12.4	14.9	55.8
Vic	26.6	7.7	9.3	17.7	13.9	7.4	7.2	21.6	32.3
Monroe	10.3	24.2	22.5	11.1	20.5	14.1	6.6	40.9	29.4
Renville	5.9	2.8	7.4	10.0	9.0	8.4	5.8	24.3	26.1
Medora	20.8	18.0	3.4	6.0	2.4	8.7	5.5	25.2	24.8
Voss	--	--	--	--	--	1.0	4.2	2.9	19.1
Westbred Laker	8.9	23.5	14.5	3.8	3.1	2.7	3.2	7.9	14.2
Coyote	--	--	--	--	--	--	2.1	--	9.4
Ward	5.8	1.3	4.6	4.7	5.4	1.9	1.6	5.4	7.2
Kronos	--	--	--	--	--	--	1.5	--	6.9
Crosby	4.8	2.8	6.4	3.5	7.8	5.1	0.6	14.7	2.7
Stockholm	--	--	--	--	--	--	0.4	--	1.8
Durex	--	--	--	--	0.8	1.0	0.2	2.9	1.0
Westbred 881	--	--	--	--	0.2	0.1	0.2	0.3	1.0
Ben	--	--	--	--	--	--	0.2	--	0.9
Cando	--	--	--	--	--	--	0.1	--	0.5
Kemut	--	--	1.1	0.3	0.5	0.7	0.1	1.9	0.3
Other & Unknown	14.5	12.7	7.2	15.7	12.9	5.4	9.9	15.6	44.5
State	100.0	100.0	100.0	100.0	100.0	100.0	100.0	290.0	450.0

[1] Revised

Winter Wheat: Seeded Acreage and Percent of Total Seeded by Districts - 1998																
Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Neeley	0.2	1.5	80.0	12.3	9.7	9.2	125.1	39.7	15.2	43.4	36.9	18.0	4.7	5.9	271.8	19.4
Rocky	--	--	164.5	25.3	1.4	1.3	22.1	7.0	1.4	4.0	4.9	2.4	--	--	194.3	13.9
Tiber	--	--	71.5	11.0	10.0	9.5	51.3	16.3	--	--	48.4	23.6	10.2	12.7	191.4	13.7
Vanguard	--	--	101.4	15.6	--	--	31.2	9.9	--	--	12.1	5.9	--	--	144.7	10.3
Redwin	--	--	13.7	2.1	0.5	0.5	7.9	2.5	1.4	4.1	39.8	19.4	13.4	16.7	76.7	5.5
Judith	--	--	55.9	8.6	--	--	5.4	1.7	--	--	0.6	0.3	--	--	61.9	4.4
Big Horn	--	--	27.3	4.2	0.6	0.6	20.5	6.5	--	--	--	--	--	--	48.4	3.5
Winalta	--	--	6.5	1.0	23.4	22.3	4.7	1.5	--	--	--	--	13.0	16.2	47.6	3.4
Morgan	--	--	29.3	4.5	--	--	0.3	0.1	--	--	0.2	0.1	2.6	3.2	32.4	2.3
Norstar	--	--	14.3	2.2	12.8	12.2	0.6	0.2	--	--	--	--	1.6	2.0	29.3	2.1
Roughrider	--	--	--	--	21.6	20.6	--	--	--	--	3.1	1.5	0.6	0.7	25.3	1.8
Rampart	--	--	16.9	2.6	--	--	1.9	0.6	0.5	1.4	5.9	2.9	--	--	25.2	1.8
Kestrel	--	--	9.1	1.4	2.4	2.3	0.9	0.3	--	--	1.2	0.6	5.2	6.5	18.8	1.3
Hawk	--	--	14.3	2.2	--	--	--	--	--	--	3.9	1.9	--	--	18.2	1.3
Quantum 542	--	--	11.7	1.8	--	--	0.3	0.1	--	--	1.6	0.8	--	--	13.6	1.0
Centurk	--	--	7.8	1.2	--	--	4.1	1.3	--	--	--	--	1.4	1.8	13.3	1.0
Siouxland	--	--	--	--	--	--	3.5	1.1	--	--	9.4	4.6	--	--	12.9	0.9
Warrior	--	--	--	--	0.8	0.8	--	--	--	--	3.7	1.8	4.9	6.1	9.4	0.7
Promontory	--	--	--	--	--	--	3.8	1.2	--	--	5.5	2.7	--	--	9.3	0.7
Cheyenne	--	--	--	--	7.0	6.7	0.9	0.3	--	--	--	--	--	--	7.9	0.6
Stephens [1]	1.7	17.3	--	--	--	--	--	--	5.3	15.1	--	--	--	--	7.0	0.5
Weston	--	--	--	--	--	--	--	--	--	--	6.6	3.2	--	--	6.6	0.5
Rose	--	--	--	--	--	--	--	--	--	--	--	--	5.8	7.3	5.8	0.4
Yuma	0.6	5.8	3.3	0.5	--	--	0.3	0.1	--	--	1.6	0.8	--	--	5.8	0.4
Other & Unknown	7.5	75.4	22.5	3.5	14.8	14.0	30.2	9.6	11.2	32.0	19.6	9.5	16.6	20.9	122.4	8.6
State	10.0	100.0	650.0	100.0	105.0	100.0	315.0	100.0	35.0	100.0	205.0	100.0	80.0	100.0	1400.0	100.0

Winter Wheat: Percent of Total Seeded Acreage 1992-1998 & Seeded Acreage 1997-1998									
Variety	Percent of Total Seeded Acreage							Seeded Acres	
	1992	1993	1994	1995	1996	1997 [2]	1998	1997 [2]	1998
Neeley	25.0	18.4	23.3	23.6	24.6	24.3	19.4	389.5	271.8
Rocky	12.5	14.8	13.3	16.5	14.6	19.1	13.9	305.0	194.3
Tiber	13.5	10.7	16.2	12.4	16.5	13.4	13.7	213.7	191.4
Vangard	--	--	--	--	--	0.8	10.3	12.1	144.7
Redwin	9.9	10.8	10.0	8.9	11.4	10.6	5.5	170.2	76.7
Judith	7.0	9.8	10.2	8.2	3.7	3.4	4.4	54.8	61.9
Big Horn	0.3	1.0	1.3	0.7	4.0	2.3	3.5	36.5	48.4
Winalta	6.1	5.8	4.4	2.8	3.5	1.9	3.4	30.6	47.6
Morgan	--	--	--	--	--	--	2.3	--	32.4
Norstar	7.6	6.4	2.0	4.0	1.8	1.8	2.1	29.0	29.3
Roughrider	2.8	2.0	1.8	1.0	2.1	2.3	1.8	36.3	25.3
Rampart	--	--	--	--	--	--	1.8	0.4	25.2
Kestrel	--	--	0.1	0.4	1.4	4.0	1.3	63.6	18.8
Hawk	1.0	1.0	0.9	2.4	0.9	1.7	1.3	27.0	18.2
Quantum 542	--	0.3	1.1	1.8	0.6	1.2	1.0	18.8	13.6
Centurk	3.3	2.4	2.6	3.1	3.1	1.5	1.0	24.7	13.3
Siouxland	--	--	--	--	--	--	0.9	--	12.9
Warrior	0.7	1.1	1.7	0.7	0.4	0.6	0.7	9.6	9.4
Promontory	--	--	--	--	0.3	--	0.7	--	9.3
Cheyenne	0.8	1.0	0.6	0.8	0.1	0.2	0.6	2.7	7.9
Stephens [1]	0.2	0.6	0.2	0.9	0.6	0.4	0.5	7.0	7.0
Weston	0.6	0.2	1.1	0.6	0.6	0.5	0.5	7.9	6.6
Rose	0.1	0.1	0.8	--	0.3	0.2	0.4	3.8	5.8
Yuma	--	--	--	--	--	0.5	0.4	7.6	5.8
Other & Unknown	8.6	13.6	8.4	11.2	9.5	9.3	8.6	149.2	122.4
State	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1,600.0	1,400.0

[1] Soft White Wheat [2] Revised

Spring Wheat: Seeded Acreage and Percent of Total Seeded by Districts - 1998																
Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
McNeal	1.3	5.0	355.0	22.9	463.3	32.4	65.2	24.6	2.1	5.2	38.0	33.0	39.2	22.4	964.1	26.8
Amidon	--	--	173.6	11.2	351.8	24.6	27.3	10.3	--	--	19.6	17.0	48.7	27.8	621.0	17.3
Westbred Rambo	1.6	6.4	240.3	15.5	5.7	0.4	27.8	10.5	--	--	0.2	0.2	1.2	0.7	276.8	7.7
Ernest	--	--	189.1	12.2	51.5	3.6	14.3	5.4	--	--	11.5	10.0	5.8	3.3	272.2	7.6
Fortuna	--	--	187.6	12.1	20.0	1.4	13.8	5.2	0.8	2.0	4.4	3.8	3.3	1.9	229.9	6.4
Grandin	--	--	38.8	2.5	148.7	10.4	12.2	4.6	--	--	--	--	22.4	12.8	222.1	6.2
Stoa	--	--	23.3	1.5	85.8	6.0	--	--	--	--	--	--	13.1	7.5	122.2	3.4
Hi-Line	--	--	80.6	5.2	11.4	0.8	4.8	1.8	4.0	10.0	0.2	0.2	2.8	1.6	103.8	2.9
Kulm	0.4	1.7	55.8	3.6	1.4	0.1	5.6	2.1	1.8	4.4	1.4	1.2	3.3	1.9	69.7	1.9
Newana	--	--	3.1	0.2	65.8	4.6	--	--	--	--	--	--	0.7	0.4	69.6	1.9
Westbred 926	2.2	8.6	24.8	1.6	--	--	27.6	10.4	6.9	17.3	3.1	2.7	2.5	1.4	67.1	1.9
Lew	--	--	43.4	2.8	7.1	0.5	5.3	2.0	--	--	7.1	6.2	1.6	0.9	64.5	1.8
Len	--	--	--	--	60.1	4.2	--	--	--	--	0.8	0.7	3.5	2.0	64.4	1.8
Westbred 936	10.1	40.3	23.3	1.5	--	--	13.0	4.9	9.5	23.8	1.8	1.6	--	--	57.7	1.6
Fergus	--	--	4.7	0.3	--	--	12.5	4.7	3.0	7.4	1.3	1.1	--	--	21.5	0.6
Bergen	--	--	--	--	18.6	1.3	--	--	--	--	--	--	--	--	18.6	0.5
Westbred Express	2.8	11.2	--	--	--	--	4.5	1.7	5.0	12.5	5.1	4.4	--	--	17.4	0.5
Gus	--	--	--	--	15.7	1.1	--	--	--	--	--	--	--	--	15.7	0.4
Butte 86	--	--	--	--	8.6	0.6	--	--	--	--	--	--	4.7	2.7	13.3	0.4
Tioga	--	--	--	--	12.9	0.9	--	--	--	--	--	--	--	--	12.9	0.4
Sonja	--	--	7.8	0.5	1.4	0.1	--	--	--	--	--	--	--	--	9.2	0.3
Bounty 309	--	--	--	--	5.7	0.4	2.1	0.8	--	--	--	--	--	--	7.8	0.2
Olaf	--	--	--	--	2.9	0.2	1.1	0.4	--	--	2.4	2.1	0.2	0.1	6.6	0.2
Penawawa [1]	2.6	10.4	1.6	0.1	--	--	--	--	1.4	3.5	--	--	--	--	5.6	0.2
Other & Unknown	4.0	16.4	97.2	6.3	91.6	6.4	27.9	10.6	5.5	13.9	18.1	15.8	22.0	12.6	266.3	7.1
State	25.0	100.0	1550.0	100.0	1430.0	100.0	265.0	100.0	40.0	100.0	115.0	100.0	175.0	100.0	3600.0	100.0

Spring Wheat: Percent of Total Seeded Acreage 1992-1998 & Seeded Acreage 1997-1998									
Variety	Percent of Total Seeded Acreage							Seeded Acres	
	1992	1993	1994	1995	1996	1997 [2]	1998	1997 [2]	1998
McNeal	--	--	--	--	1.3	16.2	26.8	706.6	964.1
Amidon	19.6	29.0	27.9	29.9	28.0	24.7	17.3	1,074.0	621.0
Westbred Rambo	16.7	15.5	11.9	10.5	9.9	10.0	7.7	435.6	276.8
Ernest	--	--	--	--	0.2	3.2	7.6	137.5	272.2
Fortuna	6.6	6.6	8.0	8.3	5.9	6.3	6.4	272.9	229.9
Grandin	0.7	3.4	8.5	7.3	8.8	8.9	6.2	388.5	222.1
Stoa	6.7	5.9	5.7	3.6	6.1	4.5	3.4	197.7	122.2
Hi-Line	--	0.4	2.4	4.3	5.6	3.1	2.9	135.5	103.8
Newana	12.9	8.2	6.9	5.8	5.0	2.4	1.9	106.1	69.7
Kulm	--	--	--	--	0.5	0.4	1.9	19.1	69.6
Westbred 926	0.9	1.5	2.0	3.0	2.5	2.7	1.9	117.0	67.1
Lew	8.7	5.0	7.2	4.9	4.4	2.5	1.8	106.8	64.5
Len	8.1	6.6	6.3	6.3	3.6	3.1	1.8	135.3	64.4
Westbred 936	--	--	0.2	0.3	1.4	1.0	1.6	44.0	57.7
Fergus	--	--	--	0.2	0.6	0.8	0.6	36.7	21.5
Bergen	--	--	--	--	0.6	0.4	0.5	15.7	18.6
Westbred Express	--	--	0.3	0.4	0.3	0.6	0.5	27.4	17.4
Gus	0.1	--	0.1	0.6	1.3	0.6	0.4	27.5	15.7
Butte 86	0.5	0.4	0.1	0.9	0.7	1.4	0.4	58.9	13.3
Tioga	--	--	--	--	--	0.2	0.4	7.9	12.9
Sonja	--	--	--	--	0.1	0.3	0.3	12.6	9.2
Bounty 309	--	--	0.2	0.5	0.2	0.4	0.2	17.2	7.8
Olaf	2.7	2.8	2.2	1.1	0.5	0.6	0.2	24.6	6.6
Penawawa [1]	--	--	--	--	0.4	0.2	0.2	9.4	5.6
Other & Unknown	15.8	14.7	10.1	12.1	12.1	5.5	7.1	235.5	266.3
State	100.0	100.0	100.0	100.0	100.0	100.0	100.0	4,350.0	3,600.0

[1] Soft White Wheat [2] Revised

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HEAT VARIETIES 1997

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Released: July 11, 1997

WINTER WHEAT

Neeley continued to be the leading variety of winter wheat seeded in Montana for the tenth consecutive year with over 375 thousand acres planted in the state. It is a hard red, semi-dwarf winter wheat that generally has 1 to 3 percent lower protein than most recommended hard red winter wheats. Neeley has satisfactory milling and baking qualities.

Rocky moved up to second place this year from its third place position a year ago to become the second most popular winter wheat in the state. Montana farmers planted over 300 thousand acres of Rocky. It is a hard red winter wheat that has superior yields under most conditions. Rocky has average milling and baking qualities.

Tiber traded places with Rocky to fall to third place this year. It accounted for slightly more than 13 percent of the winter wheat planted in the state, down more than 130 thousand acres from last year. A hard red winter wheat, Tiber has high yield potential, good shatter resistance, and good winter hardiness. Tiber has average milling and baking qualities and is resistant to leaf spot complex.

Redwin maintained its fourth place position for the fourth consecutive year, accounting for nearly 10 percent of the winter wheat acreage in Montana. It has excellent protein levels, good yield potential and winter hardiness. Redwin is also shatter and lodging resistant and has very good milling and baking qualities.

These top four varieties accounted for 66 percent of the winter wheat acreage seeded in 1997, very comparable to the 67 percent for the same varieties in 1996.

SPRING WHEAT

Amidon maintained its number one position for the sixth consecutive year although producers planted 100 thousand fewer acres than in 1996. It accounts for almost 25 percent of the seeded spring wheat in Montana, and over half the Amidon acreage was seeded in the Northeast district. A hard red spring wheat, Amidon's baking qualities are rated as superior with satisfactory milling qualities.

McNeal was the most popular newly discovered variety, increasing its percent planted from 1.3 in 1996 to 16 percent this year. Developed in Montana and released in 1995, McNeal has superior yield and average protein levels. The variety also has good milling and baking qualities.

Westbred Rambo dropped a place to third after seven consecutive years as the second most popular spring wheat in the state. Accounting for almost 10 percent of the statewide seeded spring wheat acreage, more than 85 percent of Westbred Rambo was seeded in the North Central district of the state. It has excellent yield potential, is resistant to stem rust and very resistant to sawfly.

Grandin held steady from 1996, maintaining its fourth place position with 9 percent of the spring wheat acreage. Farmers planted 385 thousand acres of Grandin this year with a high majority planted in the Northeast district. It is a semi-dwarf, early maturity spring wheat that is resistant to stem and leaf rust and has high test weights and average protein rating.

The top four varieties accounted for almost 60 percent of the spring wheat acreage seeded in 1997 compared with 49 percent for the same varieties in 1996.

This report was made possible by funds provided by the Montana Wheat & Barley Committee. This survey was conducted by the Montana Agricultural Statistics Service.

Peggy Stringer
State Statistician

PLEASE RETURN

Bill Meyer
Courtney M. Cox
Agricultural Statisticians

DURUM WHEAT

Kyle maintained its position as the top durum variety for the fourth year, doubling its seeded acreage from last year. Montana farmers planted over 120 thousand acres of Kyle which accounted for almost 40 percent of the durum wheat statewide. Developed in Canada and released in 1984, it is resistant to prevalent races of leaf and stem rust. It has an overall quality rating of good.

Monroe remained in the second place position this year, although acres seeded dropped by over 12 thousand acres. Monroe accounting for 14 percent of the durum acreage, down from 20 percent in 1996. Monroe is resistant to prevalent races of stem rust and moderately resistant to prevalent races of leaf rust. It also has high yields and matures early which makes it a well-suited wheat variety for growing in durum areas.

Medora increased its percent planted from 2 percent in 1996 to over 8 percent this year, making it the third most popular durum wheat. Wheat producers in the Northeast district seeded over 27 thousand acres of Medora. Released in 1983 in Canada, it is resistant to leaf and stem rust and has a mid-early maturity.

Renville retained its fourth place finish for the third year, accounting for about 8 percent of the durum acreage. It has shown good resistance to stem and leaf rust and in trials has high test weights and good yields. Renville has good milling characteristics and the spaghetti color and cooking characteristics are acceptable.

These top four varieties accounted for 69 percent of the durum wheat acreage compared to 52 percent in 1996.

Durum Wheat: Seeded Acreage and Percent of Total Seeded by Districts - 1997

Variety	Northeast		Other Districts		State Total	
	(000)	%	(000)	%	(000)	%
Kyle	109.2	40.7	13.6	26.2	122.8	38.4
Monroe	44.9	16.7	--	--	44.9	14.0
Medora	27.5	10.3	--	--	27.5	8.6
Renville	26.0	9.7	0.6	1.1	26.6	8.3
Vic	23.5	8.8	--	--	23.5	7.4
Sceptre	--	--	17.3	33.3	17.3	5.4
Crosby	16.1	6.0	--	--	16.1	5.0
Westbred Laker	2.3	0.9	6.6	12.6	8.9	2.8
Ward	5.9	2.2	--	--	5.9	1.9
Durex	--	--	3.3	6.4	3.3	1.0
Voss	2.2	0.8	1.1	2.1	3.3	1.0
Plenty	--	--	2.8	5.3	2.8	0.9
Kemut	1.8	0.7	0.2	0.4	2.0	0.6
Westbred 881	--	--	0.3	0.6	0.3	0.1
Other & Unknown	8.6	3.2	6.2	12.0	14.8	4.6
State	268.0	100.0	52.0	100.0	320.0	100.0

Durum Wheat: Percent of Total Seeded Acreage 1991-1997 & Seeded Acreage 1996-97

Variety	Percent of Total Seeded Acreage							Seeded Acres	
	1991	1992	1993	1994	1995	1996 [1]	1997	1996 [1]	1997
Kyle	--	2.4	7.0	23.6	23.4	20.4	38.4	57.2	122.8
Monroe	14.2	10.3	24.2	22.5	11.1	20.5	14.0	57.4	44.9
Medora	14.0	20.8	18.0	3.4	6.0	2.4	8.6	6.7	27.5
Renville	6.0	5.9	2.8	7.4	10.0	9.0	8.3	25.2	26.6
Vic	15.5	26.6	7.7	9.3	17.7	13.9	7.4	38.9	23.5
Sceptre	0.1	--	--	--	3.8	3.1	5.4	8.8	17.3
Crosby	4.3	4.8	2.8	6.4	3.5	7.8	5.0	21.9	16.1
Westbred Laker	12.6	8.9	23.5	14.5	3.8	3.1	2.8	8.6	8.9
Ward	14.1	5.8	1.3	4.6	4.7	5.4	1.9	15.2	5.9
Durex	--	--	--	--	--	0.8	1.0	2.1	3.3
Voss	--	--	--	--	--	--	1.0	19.9	3.3
Plenty	--	--	--	1.7	3.7	7.1	0.9	1.4	2.8
Kemut	--	--	--	1.1	0.3	0.5	0.6	0.5	2.0
Westbred 881	--	--	--	--	--	0.2	0.1	16.2	0.3
Other & Unknown	19.2	14.5	12.7	5.5	12.0	5.8	4.6		14.8
State	100.0	100.0	100.0	100.0	100.0	100.0	100.0	280.0	320.0

[1] Revised

Winter Wheat: Seeded Acreage and Percent of Total Seeded by Districts - 1997

Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Neeley	0.1	0.9	91.6	12.2	21.8	15.6	198.6	60.2	18.9	63.0	44.8	21.3	–	–	375.8	23.4
Rocky	–	–	245.9	33.0	11.2	8.0	29.3	9.0	1.6	5.6	11.8	5.6	0.8	0.6	300.6	18.7
Tiber	–	–	109.2	14.6	21.8	15.6	29.2	8.9	–	–	28.7	13.7	28.1	22.2	217.0	13.6
Redwin	–	–	30.0	4.0	2.5	1.8	4.4	1.3	2.5	8.2	82.0	39.0	46.7	37.1	168.1	10.5
Kestrel	–	–	38.9	5.2	4.4	3.1	13.6	4.1	–	–	0.2	0.1	7.9	6.3	65.0	4.1
Judith	0.1	0.9	48.6	6.5	–	–	3.1	0.9	–	–	2.1	1.0	–	–	53.9	3.4
Roughrider	–	–	–	–	36.1	25.8	–	–	–	–	–	–	10.1	8.0	46.2	2.9
Winalta	0.2	1.5	4.1	0.6	21.6	15.4	2.8	0.8	–	–	–	–	7.8	6.2	36.5	2.3
Big Horn	–	–	19.5	2.6	1.5	1.0	14.9	4.5	–	–	–	–	–	–	35.9	2.2
Norstar	–	–	20.5	2.7	2.5	1.8	5.8	1.8	–	–	–	–	0.3	0.3	29.1	1.8
Hawk	–	–	20.1	2.7	–	–	0.3	0.1	–	–	5.4	2.6	–	–	25.8	1.6
Centurk	–	–	23.8	3.2	–	–	–	–	0.5	1.5	–	–	–	–	24.3	1.5
Quantum 542	–	–	12.2	1.6	–	–	4.4	1.3	0.1	0.2	1.7	0.8	0.1	0.1	18.5	1.2
Vanguard	–	–	8.6	1.1	–	–	0.2	–	–	–	3.3	1.6	–	–	12.1	0.8
Sierra	2.4	15.3	0.9	0.1	–	–	0.1	–	–	–	7.3	3.5	–	–	10.7	0.7
Rose	–	–	–	–	1.4	1.0	–	–	–	–	–	–	8.2	6.5	9.6	0.6
Warrior	–	–	–	–	–	–	–	–	–	–	8.2	3.9	0.3	0.2	8.5	0.5
Arapahoe	–	–	–	–	0.3	0.2	–	–	–	–	–	–	7.5	5.9	7.8	0.5
Stephens [1]	5.9	36.3	–	–	–	–	0.3	0.1	1.1	3.8	–	–	–	–	7.3	0.5
Weston	–	–	–	–	–	–	–	–	–	–	7.0	3.3	–	–	7.0	0.4
Agassiz	–	–	–	–	4.0	2.9	–	–	–	–	–	–	–	–	4.0	0.3
Yuma	0.6	3.5	0.5	0.1	–	–	2.4	0.7	–	–	–	–	–	–	3.5	0.2
Cheyenne	–	–	–	–	2.1	1.5	0.5	0.2	–	–	–	–	0.3	0.3	2.9	0.2
Cashup [1]	–	–	–	–	–	–	–	–	–	–	–	–	2.0	1.6	2.0	0.1
Other and Unknown	6.7	41.6	73.6	9.8	8.8	6.3	20.1	6.1	5.3	17.7	7.5	3.6	5.9	4.7	127.9	8.0
State	16.0	100.0	748.0	100.0	140.0	100.0	330.0	100.0	30.0	100.0	210.0	100.0	126.0	100.0	1600.0	100.0

Winter Wheat: Percent of Total Seeded Acreage 1991-97 & Seeded Acreage 1996-97

Variety	Percent of Total Seeded Acreage							Seeded Acres	
	1991	1992	1993	1994	1995	1996 [2]	1997	1996 [2]	1997
Neeley	24.7	25.0	18.4	23.3	23.6	24.6	23.4	528.8	375.8
Rocky	14.0	12.5	14.8	13.3	16.5	14.6	18.7	314.6	300.6
Tiber	11.7	13.5	10.7	16.2	12.4	16.5	13.6	353.9	217.0
Redwin	13.0	9.9	10.8	10.0	8.9	11.4	10.5	245.1	168.1
Kestrel	--	--	--	0.1	0.4	1.4	4.1	31.1	65.0
Judith	0.8	7.0	9.8	10.2	8.2	3.7	3.4	78.6	53.9
Roughrider	3.6	2.8	2.0	1.8	1.0	2.1	2.9	44.4	46.2
Winalta	5.8	6.1	5.8	4.4	2.8	3.5	2.3	75.0	36.5
Big Horn	0.8	0.3	1.0	1.3	0.7	4.0	2.2	85.7	35.9
Norstar	6.6	7.6	6.4	2.0	4.0	1.8	1.8	37.8	29.1
Hawk	0.9	1.0	1.0	0.9	2.4	0.9	1.6	18.5	25.8
Centurk	2.4	3.3	2.4	2.6	3.1	3.1	1.5	65.6	24.3
Quantum 542	--	--	0.3	1.1	1.8	0.6	1.2	12.3	18.5
Vangard	--	--	--	--	--	--	0.8	--	12.1
Sierra	--	--	0.1	0.2	0.1	0.6	0.7	12.9	10.7
Rose	0.1	0.1	0.1	0.8	--	0.3	0.6	5.6	9.6
Warrior	0.4	0.7	1.1	1.7	0.7	0.4	0.5	9.0	8.5
Arapahoe	--	--	--	--	0.2	0.3	0.5	5.9	7.8
Stephens 1	0.2	0.2	0.6	0.2	0.9	0.6	0.5	11.9	7.3
Weston	1.8	0.6	0.2	1.1	0.6	0.6	0.4	13.4	7.0
Agassiz	0.7	0.1	0.8	0.4	0.2	0.3	0.3	5.6	4.0
Yuma	--	--	--	--	--	--	0.2	--	3.5
Cheyenne	1.2	0.8	1.0	0.6	0.8	0.1	0.2	1.4	2.9
Cashup [1]	--	--	--	--	--	--	0.1	--	2.0
Other & Unknown	11.3	8.5	12.7	7.8	10.7	8.6	8.0	192.9	127.9
State	100.0	100.0	100.0	100.0	100.0	100.0	100.0	2,150.0	1,600.0

[1] Soft White Wheat [2] Revised

DURUM WHEAT

Kyle maintained its position as the top durum variety for the fourth year, doubling its seeded acreage from last year. Montana farmers planted over 120 thousand acres of Kyle which accounted for almost 40 percent of the durum wheat statewide. Developed in Canada and released in 1984, it is resistant to prevalent races of leaf and stem rust. It has an overall quality rating of good.

Monroe remained in the second place position this year, although acres seeded dropped by over 12 thousand acres. Monroe accounting for 14 percent of the durum acreage, down from 20 percent in 1996. Monroe is resistant to prevalent races of stem rust and moderately resistant to prevalent races of leaf rust. It also has high yields and matures early which makes it a well-suited wheat variety for growing in durum areas.

Medora increased its percent planted from 2 percent in 1996 to over 8 percent this year, making it the third most popular durum wheat. Wheat producers in the Northeast district seeded over 27 thousand acres of Medora. Released in 1983 in Canada, it is resistant to leaf and stem rust and has a mid-early maturity.

Renville retained its fourth place finish for the third year, accounting for about 8 percent of the durum acreage. It has shown good resistance to stem and leaf rust and in trials has high test weights and good yields. Renville has good milling characteristics and the spaghetti color and cooking characteristics are acceptable.

These top four varieties accounted for 69 percent of the durum wheat acreage compared to 52 percent in 1996.

Durum Wheat: Seeded Acreage and Percent of Total Seeded by Districts - 1997

Variety	Northeast		Other Districts		State Total	
	(000)	%	(000)	%	(000)	%
Kyle	109.2	40.7	13.6	26.2	122.8	38.4
Monroe	44.9	16.7	--	--	44.9	14.0
Medora	27.5	10.3	--	--	27.5	8.6
Renville	26.0	9.7	0.6	1.1	26.6	8.3
Vic	23.5	8.8	--	--	23.5	7.4
Sceptre	--	--	17.3	33.3	17.3	5.4
Crosby	16.1	6.0	--	--	16.1	5.0
Westbred Laker	2.3	0.9	6.6	12.6	8.9	2.8
Ward	5.9	2.2	--	--	5.9	1.9
Durex	--	--	3.3	6.4	3.3	1.0
Voss	2.2	0.8	1.1	2.1	3.3	1.0
Plenty	--	--	2.8	5.3	2.8	0.9
Kemut	1.8	0.7	0.2	0.4	2.0	0.6
Westbred 881	--	--	0.3	0.6	0.3	0.1
Other & Unknown	8.6	3.2	6.2	12.0	14.8	4.6
State	268.0	100.0	52.0	100.0	320.0	100.0

Durum Wheat: Percent of Total Seeded Acreage 1991-1997 & Seeded Acreage 1996-97

Variety	Percent of Total Seeded Acreage							Seeded Acres	
	1991	1992	1993	1994	1995	1996 [1]	1997	1996 [1]	1997
Kyle	--	2.4	7.0	23.6	23.4	20.4	38.4	57.2	122.8
Monroe	14.2	10.3	24.2	22.5	11.1	20.5	14.0	57.4	44.9
Medora	14.0	20.8	18.0	3.4	6.0	2.4	8.6	6.7	27.5
Renville	6.0	5.9	2.8	7.4	10.0	9.0	8.3	25.2	26.6
Vic	15.5	26.6	7.7	9.3	17.7	13.9	7.4	38.9	23.5
Sceptre	0.1	--	--	--	3.8	3.1	5.4	8.8	17.3
Crosby	4.3	4.8	2.8	6.4	3.5	7.8	5.0	21.9	16.1
Westbred Laker	12.6	8.9	23.5	14.5	3.8	3.1	2.8	8.6	8.9
Ward	14.1	5.8	1.3	4.6	4.7	5.4	1.9	15.2	5.9
Durex	--	--	--	--	--	0.8	1.0	2.1	3.3
Voss	--	--	--	--	--	--	1.0	19.9	3.3
Plenty	--	--	--	1.7	3.7	7.1	0.9	1.4	2.8
Kemut	--	--	--	1.1	0.3	0.5	0.6	0.5	2.0
Westbred 881	--	--	--	--	--	0.2	0.1	16.2	0.3
Other & Unknown	19.2	14.5	12.7	5.5	12.0	5.8	4.6		14.8
State	100.0	100.0	100.0	100.0	100.0	100.0	100.0	280.0	320.0

[1] Revised

Winter Wheat: Seeded Acreage and Percent of Total Seeded by Districts - 1997																
Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Neeley	0.1	0.9	91.6	12.2	21.8	15.6	198.6	60.2	18.9	63.0	44.8	21.3	–	–	375.8	23.4
Rocky	–	–	245.9	33.0	11.2	8.0	29.3	9.0	1.6	5.6	11.8	5.6	0.8	0.6	300.6	18.7
Tiber	–	–	109.2	14.6	21.8	15.6	29.2	8.9	–	–	28.7	13.7	28.1	22.2	217.0	13.6
Redwin	–	–	30.0	4.0	2.5	1.8	4.4	1.3	2.5	8.2	82.0	39.0	46.7	37.1	168.1	10.5
Kestrel	–	–	38.9	5.2	4.4	3.1	13.6	4.1	–	–	0.2	0.1	7.9	6.3	65.0	4.1
Judith	0.1	0.9	48.6	6.5	–	–	3.1	0.9	–	–	2.1	1.0	–	–	53.9	3.4
Roughrider	–	–	–	–	36.1	25.8	–	–	–	–	–	–	10.1	8.0	46.2	2.9
Winalta	0.2	1.5	4.1	0.6	21.6	15.4	2.8	0.8	–	–	–	–	7.8	6.2	36.5	2.3
Big Horn	–	–	19.5	2.6	1.5	1.0	14.9	4.5	–	–	–	–	–	–	35.9	2.2
Norstar	–	–	20.5	2.7	2.5	1.8	5.8	1.8	–	–	–	–	0.3	0.3	29.1	1.8
Hawk	–	–	20.1	2.7	–	–	0.3	0.1	–	–	5.4	2.6	–	–	25.8	1.6
Centurk	–	–	23.8	3.2	–	–	–	–	0.5	1.5	–	–	–	–	24.3	1.5
Quantum 542	–	–	12.2	1.6	–	–	4.4	1.3	0.1	0.2	1.7	0.8	0.1	0.1	18.5	1.2
Vanguard	–	–	8.6	1.1	–	–	0.2	–	–	–	3.3	1.6	–	–	12.1	0.8
Sierra	2.4	15.3	0.9	0.1	–	–	0.1	–	–	–	7.3	3.5	–	–	10.7	0.7
Rose	–	–	–	–	1.4	1.0	–	–	–	–	–	–	8.2	6.5	9.6	0.6
Warrior	–	–	–	–	–	–	–	–	–	–	8.2	3.9	0.3	0.2	8.5	0.5
Arapahoe	–	–	–	–	0.3	0.2	–	–	–	–	–	–	7.5	5.9	7.8	0.5
Stephens [1]	5.9	36.3	–	–	–	–	0.3	0.1	1.1	3.8	–	–	–	–	7.3	0.5
Weston	–	–	–	–	–	–	–	–	–	–	7.0	3.3	–	–	7.0	0.4
Agassiz	–	–	–	–	4.0	2.9	–	–	–	–	–	–	–	–	4.0	0.3
Yuma	0.6	3.5	0.5	0.1	–	–	2.4	0.7	–	–	–	–	–	–	3.5	0.2
Cheyenne	–	–	–	–	2.1	1.5	0.5	0.2	–	–	–	–	0.3	0.3	2.9	0.2
Cashup [1]	–	–	–	–	–	–	–	–	–	–	–	–	2.0	1.6	2.0	0.1
Other and Unknown	6.7	41.6	73.6	9.8	8.8	6.3	20.1	6.1	5.3	17.7	7.5	3.6	5.9	4.7	127.9	8.0
State	16.0	100.0	748.0	100.0	140.0	100.0	330.0	100.0	30.0	100.0	210.0	100.0	126.0	100.0	1600.0	100.0

Winter Wheat: Percent of Total Seeded Acreage 1991-97 & Seeded Acreage 1996-97									
Variety	Percent of Total Seeded Acreage							Seeded Acres	
	1991	1992	1993	1994	1995	1996 [2]	1997	1996 [2]	1997
Neeley	24.7	25.0	18.4	23.3	23.6	24.6	23.4	528.8	375.8
Rocky	14.0	12.5	14.8	13.3	16.5	14.6	18.7	314.6	300.6
Tiber	11.7	13.5	10.7	16.2	12.4	16.5	13.6	353.9	217.0
Redwin	13.0	9.9	10.8	10.0	8.9	11.4	10.5	245.1	168.1
Kestrel	--	--	--	0.1	0.4	1.4	4.1	31.1	65.0
Judith	0.8	7.0	9.8	10.2	8.2	3.7	3.4	78.6	53.9
Roughrider	3.6	2.8	2.0	1.8	1.0	2.1	2.9	44.4	46.2
Winalta	5.8	6.1	5.8	4.4	2.8	3.5	2.3	75.0	36.5
Big Horn	0.8	0.3	1.0	1.3	0.7	4.0	2.2	85.7	35.9
Norstar	6.6	7.6	6.4	2.0	4.0	1.8	1.8	37.8	29.1
Hawk	0.9	1.0	1.0	0.9	2.4	0.9	1.6	18.5	25.8
Centurk	2.4	3.3	2.4	2.6	3.1	3.1	1.5	65.6	24.3
Quantum 542	--	--	0.3	1.1	1.8	0.6	1.2	12.3	18.5
Vangard	--	--	--	--	--	--	0.8	--	12.1
Sierra	--	--	0.1	0.2	0.1	0.6	0.7	12.9	10.7
Rose	0.1	0.1	0.1	0.8	--	0.3	0.6	5.6	9.6
Warrior	0.4	0.7	1.1	1.7	0.7	0.4	0.5	9.0	8.5
Arapahoe	--	--	--	--	0.2	0.3	0.5	5.9	7.8
Stephens 1	0.2	0.2	0.6	0.2	0.9	0.6	0.5	11.9	7.3
Weston	1.8	0.6	0.2	1.1	0.6	0.6	0.4	13.4	7.0
Agassiz	0.7	0.1	0.8	0.4	0.2	0.3	0.3	5.6	4.0
Yuma	--	--	--	--	--	--	0.2	--	3.5
Cheyenne	1.2	0.8	1.0	0.6	0.8	0.1	0.2	1.4	2.9
Cashup [1]	--	--	--	--	--	--	0.1	--	2.0
Other & Unknown	11.3	8.5	12.7	7.8	10.7	8.6	8.0	192.9	127.9
State	100.0	100.0	100.0	100.0	100.0	100.0	100.0	2,150.0	1,600.0

[1] Soft White Wheat [2] Revised

Spring Wheat: Seeded Acreage and Percent of Total Seeded by Districts - 1997																
Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Amidon	–	–	338.3	18.2	544.1	31.6	64.9	19.1	7.0	12.0	24.1	19.8	91.4	39.7	1069.8	24.6
McNeal	0.2	0.6	322.9	17.5	309.2	17.9	47.6	14.0	2.7	4.6	11.6	9.5	9.7	4.2	703.9	16.1
Westbred Rambo	–	–	363.4	19.6	49.1	2.9	15.0	4.4	2.1	3.6	–	–	–	–	429.6	9.9
Grandin	–	–	105.6	5.7	225.2	13.1	29.7	8.7	–	–	2.7	2.2	22.3	9.7	385.5	8.9
Fortuna	–	–	234.4	12.7	–	–	17.9	5.3	–	–	18.2	15.0	1.4	0.6	271.9	6.3
Stoa	–	–	48.6	2.6	111.7	6.5	–	–	–	–	–	–	32.9	14.3	193.2	4.4
Ernest	–	–	53.4	2.9	74.8	4.4	2.8	0.8	1.7	3.0	2.8	2.3	0.5	0.2	136.0	3.1
Hi-Line	1.6	5.2	76.9	4.2	31.1	1.8	12.3	3.6	2.9	5.0	–	–	9.4	4.1	134.2	3.1
Len	–	–	1.8	0.1	130.1	7.6	–	–	–	–	–	–	1.4	0.6	133.3	3.1
Westbred 926	6.6	22.0	38.5	2.1	3.7	0.2	40.0	11.7	14.5	25.0	25.7	21.0	1.1	0.5	130.1	3.0
Lew	–	–	70.0	3.8	10.9	0.6	5.3	1.6	–	–	15.1	12.3	6.7	2.9	108.0	2.5
Newana	0.5	1.5	64.0	3.5	1.4	0.1	21.3	6.3	–	–	–	–	16.7	7.3	103.9	2.4
Butte 86	–	–	–	–	44.5	2.6	–	–	–	–	–	–	12.6	5.5	57.1	1.3
Westbred 936	2.6	8.5	27.6	1.5	–	–	3.7	1.1	11.9	20.5	3.0	2.5	–	–	48.8	1.1
Fergus	–	–	16.5	0.9	3.9	0.2	17.4	5.1	–	–	0.5	0.4	–	–	38.3	0.9
Westbred Express	9.1	30.7	–	–	–	–	11.8	3.5	3.8	6.5	3.0	2.5	2.3	1.0	30.0	0.7
Gus	–	–	2.6	0.1	19.3	1.1	7.3	2.1	–	–	–	–	–	–	29.2	0.7
Olaf	–	–	0.1	–	24.3	1.4	–	–	–	–	–	–	0.2	0.1	24.6	0.6
Kulm	–	–	–	–	19.5	1.1	–	–	–	–	–	–	–	–	19.5	0.4
Bounty 309	–	–	–	–	15.2	0.9	1.6	0.5	–	–	–	–	–	–	16.8	0.4
Bergen	–	–	–	–	13.3	0.8	–	–	–	–	–	–	1.5	0.7	14.8	0.3
Border	–	–	10.5	0.6	–	–	1.6	0.5	1.7	2.9	–	–	–	–	13.8	0.3
Glenman	–	–	13.3	0.7	–	–	–	–	–	–	–	–	–	–	13.3	0.3
Sonja	–	–	5.6	0.3	7.0	0.4	–	–	–	–	–	–	–	–	12.6	0.3
Other & Unknown	9.4	31.5	56.0	3.0	81.7	4.8	39.8	11.7	9.7	16.9	15.3	12.5	19.9	8.6	231.8	5.3
State	30.0	100.0	1850.0	100.0	1720.0	100.0	340.0	100.0	58.0	100.0	122.0	100.0	230.0	100.0	4350.0	100.0

Spring Wheat: Percent of Total Seeded Acreage 1991-97 & Seeded Acreage 1996-97									
Variety	Percent of Total Seeded Acreage							Seeded Acres	
	1991	1992	1993	1994	1995	1996 [1]	1997	1996 [1]	1997
Amidon	11.7	19.6	29.0	27.9	29.9	28.0	24.6	1,174.7	1,069.9
McNeal	–	–	–	–	–	1.3	16.1	55.6	703.9
Westbred Rambo	13.5	16.7	15.5	11.9	10.5	9.9	9.9	417.4	429.6
Grandin	0.2	0.7	3.4	8.5	7.3	8.8	8.9	369.0	385.5
Fortuna	8.2	6.6	6.6	8.0	8.3	5.9	6.3	248.5	272.0
Stoa	8.1	6.7	5.9	5.7	3.6	6.1	4.4	257.4	193.2
Ernest	–	–	–	–	–	0.2	3.1	8.7	136.0
Hi-Line	–	–	0.4	2.4	4.3	5.6	3.1	236.6	134.2
Len	11.9	8.1	6.6	6.3	6.3	3.6	3.1	152.9	133.3
Westbred 926	0.7	0.9	1.5	2.0	3.0	2.5	3.0	105.5	130.1
Lew	14.1	8.7	5.0	7.2	4.9	4.4	2.5	185.2	107.9
Newana	13.3	12.9	8.2	6.9	5.8	5.0	2.4	211.2	103.8
Butte 86	2.0	0.5	0.4	0.1	0.9	0.7	1.3	31.0	57.1
Westbred 936	–	–	–	0.2	0.3	1.4	1.1	57.8	48.7
Fergus	–	–	–	–	0.2	0.6	0.9	23.3	38.4
Westbred Express	–	–	–	0.3	0.4	0.3	0.7	13.5	30.2
Gus	0.1	0.1	–	0.1	0.6	1.3	0.7	56.4	29.1
Olaf	3.6	2.7	2.8	2.2	1.1	0.5	0.6	19.0	24.5
Kulm	–	–	–	–	–	0.5	0.4	20.3	19.5
Bounty 309	–	–	–	0.2	0.5	0.2	0.4	8.7	16.8
Bergen	–	–	–	–	–	0.6	0.3	24.7	14.8
Border	–	–	–	–	0.2	0.8	0.3	35.5	13.7
Glenman	–	1.4	1.3	0.9	0.7	0.3	0.3	11.8	13.3
Sonja	–	–	–	–	–	0.1	0.3	3.8	12.5
Other & Unknown	12.6	14.4	13.4	9.2	11.2	11.4	5.3	471.5	232.0
State	100.0	100.0	100.0	100.0	100.0	100.0	100.0	4,200.0	4,350.0

[1] Revised

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WHEAT VARIETIES 1996

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Released: July 12, 1996

WINTER WHEAT

Neeley continued to be the leading variety of winter wheat seeded in Montana for the ninth consecutive year. More than a quarter of the total winter wheat acreage in the state was seeded to Neeley. It is a hard red winter wheat that generally has 1 to 3 percent lower protein than most recommended hard red winter wheats. Neeley has satisfactory milling and baking qualities.

Tiber moved up to second place this year from its third place position a year ago. It accounted for almost one sixth of the winter wheat planted in the state, nearly doubling in planted acreage from last year. A hard red winter wheat, Tiber has high yield potential, good shatter resistance and good winter hardiness. Tiber has average milling and baking qualities.

Rocky fell one position into third place this year even though Montana farmers planted more than 305 thousand acres this season. It is a hard red winter wheat that has superior yields under most conditions. Rocky has average milling and baking qualities.

Redwin maintained its fourth place position for the third consecutive year, accounting for nearly 12 percent of the winter wheat acreage in Montana. It has excellent protein levels, good yield potential, winter hardiness and is shatter and lodging resistant. Redwin has very good milling and baking qualities.

These top four varieties accounted for 67 percent of the winter wheat acreage seeded in 1996 compared with 61 percent for the same varieties in 1995.

SPRING WHEAT

Amidon maintained its number one position for the fifth consecutive year although producers planted almost 50 thousand fewer acres. It accounts for 27 percent of the seeded spring wheat in the state of Montana. Over half the Amidon was seeded in the North East district. Amidon has satisfactory shattering resistance and is resistant to stem and leaf rust. Amidon's baking qualities are rated as superior with satisfactory milling qualities.

Westbred Rambo retained its second place position for the sixth consecutive year, accounting for almost 11 percent of the seeded spring wheat acreage. More than 82 percent of Westbred Rambo was seeded in the North Central district of the state. It has excellent yield potential and is resistant to stem rust and very resistant to sawfly.

Grandin moved up one position from last year accounting for nearly 9 percent of the spring wheat acreage. Farmers planted 355 thousand acres of Grandin this year. It is a semi-dwarf, early maturity spring wheat that is resistant to stem and leaf rust and has high test weights and average protein rating. It has a good quality rating.

Fortuna dropped one place to the fourth position this year and accounts for nearly 7 percent of the spring wheat planted in the State. About 50 thousand fewer acres of Fortuna were seeded this year then 1995. A high yielding hard red spring wheat, Fortuna is resistant to the wheat stem sawfly and is resistant to leaf and stem rust. Fortuna has superior milling qualities and acceptable baking qualities.

The top four varieties accounted for 53 percent of the spring wheat acreage seeded in 1996 compared with 56 percent for the same varieties in 1995.

This report was made possible by funds provided by the Montana Wheat & Barley Committee. This survey was conducted by the Montana Agricultural Statistics Service.

Peggy Stringer
State Statistician

PLEASE RETURN

Bill Meyer
David F. Mikelson
Agricultural Statisticians

DURUM WHEAT

Kyle maintained its position as the top durum variety for the third year. It accounts for over one fifth of the durum acreage. Developed in Canada and released in 1984, it is resistant to prevalent races of leaf and stem rust. It has an overall quality rating of good.

Monroe moved up one place into second position this year, accounting for almost 20 percent of the durum acreage. Monroe is resistant to prevalent races of stem rust and moderately resistant to prevalent races of leaf rust. It also has high yields and matures early which makes it a well-suited wheat variety for growing in durum areas.

Vic dropped one place into third position this year. It accounts for about 13 percent of the durum acreage. It is a standard height, day length sensitive spring durum and in addition has strong straw. Vic is resistant to stem rust and moderately resistant to leaf rust. The milling, processing and cooking properties of Vic are satisfactory.

Renville retained its fourth place finish from a year ago accounting for about 9 percent of the durum acreage. It has shown good resistance to stem and leaf rust and in trials has high test weights with yields much more than Vic. Renville has good milling characteristics and the spaghetti color and cooking characteristics are acceptable.

The top four varieties accounted for 62 percent of the durum wheat acreage seeded in 1996 compared with 62 percent for the same varieties in 1994.

Durum Wheat

1995 Seeded Acreage and Percent of Total by Districts

Variety	Northeast		Other Districts		State	
	(000)	%	(000)	%	(000)	%
Kyle	39.3	20.9	7.4	17.6	46.7	20.3
Monroe	43.6	23.2	2.1	5.0	45.7	19.9
Vic	30.6	16.3	--	--	30.6	13.3
Renville	18.4	9.8	1.8	4.3	20.2	8.8
Crosby	17.3	9.2	--	--	17.3	7.5
Plenty	14.5	7.7	1.5	3.6	16.0	7.0
Ward	9.6	5.1	3.0	7.1	12.6	5.5
Sceptre	2.3	1.2	5.9	14.0	8.2	3.6
Westbred Laker	1.9	1.0	6.2	14.8	8.1	3.5
Medora	4.9	2.6	0.5	1.2	5.4	2.3
Durex	--	--	2.1	5.0	2.1	0.9
Kemut	1.1	0.6	--	--	1.1	0.5
Westbred 881	--	--	0.5	1.2	0.5	0.2
Other & Unknown	4.5	2.4	11.0	26.2	15.5	6.7
State Total	188.0	100.0	42.0	100.0	230.0	100.0

Durum Wheat

Percent of Total Seeded Acreage 1990-1996 & Seeded Acreage 1995-96

Variety	Percent of Total Seeded Acreage							Seeded Acres (000)	
	1990	1991	1992	1993	1994	1995[1]	1996	1995[1]	1996
Kyle	--	--	2.4	7.0	23.6	23.4	20.3	63.1	46.7
Monroe	14.3	14.2	10.3	24.2	22.5	11.1	19.9	30.0	45.7
Vic	24.0	15.5	26.6	7.7	9.3	17.7	13.3	47.9	30.6
Renville	0.6	6.0	5.9	2.8	7.4	10.0	8.8	26.9	20.2
Crosby	4.3	4.3	4.8	2.8	6.4	3.5	7.5	9.4	17.3
Plenty	--	--	--	--	1.7	3.7	7.0	10.1	16.0
Ward	10.2	14.1	5.8	1.3	4.6	4.7	5.5	12.7	12.6
Sceptre	--	0.1	--	--	--	3.8	3.6	10.2	8.2
Westbred Laker	12.7	12.6	8.9	23.5	14.5	3.8	3.5	10.2	8.1
Medora	19.0	14.0	20.8	18.0	3.4	6.0	2.3	16.3	5.4
Durex	--	--	--	--	--	--	0.9	--	2.1
Kemut	--	--	--	--	1.1	0.3	0.5	0.7	1.1
Westbred 881	--	--	--	--	--	--	0.2	--	0.5
Other & Unknown	14.9	19.2	14.5	12.7	5.5	12.0	6.7	32.5	15.5
State Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	270.0	230.0

[1] Revised

Winter Wheat: *Seeded Acreage and Percent of Total by Districts - 1995*

Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Neeley	2.0	7.9	210.9	19.0	8.7	5.1	275.0	61.1	24.4	60.9	21.7	8.5	15.9	10.6	558.6	25.4
Tiber	–	–	199.8	18.0	34.0	20.0	27.0	6.0	1.5	3.8	58.9	23.1	35.6	23.7	356.8	16.2
Rocky	–	–	267.5	24.1	1.2	0.7	20.3	4.5	–	–	16.1	6.3	–	–	305.1	13.9
Redwin	–	–	85.5	7.7	18.7	11.0	10.4	2.3	–	–	86.2	33.8	55.7	37.1	256.5	11.7
Big Horn	–	–	33.3	3.0	1.7	1.0	55.8	12.4	–	–	–	–	–	–	90.8	4.1
Winalta	–	–	20.0	1.8	36.6	21.5	0.5	0.1	–	–	–	–	19.7	13.1	76.8	3.5
Judith	0.1	0.4	65.5	5.9	0.5	0.3	9.0	2.0	1.0	2.4	0.5	0.2	–	–	76.6	3.5
Centurk	–	–	58.8	5.3	–	–	3.2	0.7	–	–	0.8	0.3	0.5	0.3	63.3	2.9
Roughrider	2.4	9.6	25.5	2.3	14.3	8.4	–	–	–	–	–	–	1.8	1.2	44.0	2.0
Norstar	–	–	28.9	2.6	7.5	4.4	–	–	–	–	–	–	–	–	36.4	1.7
Kestrel	–	–	16.7	1.5	13.6	8.0	–	–	–	–	–	–	–	–	30.3	1.4
Hill 81 [1]	–	–	–	–	–	–	19.4	4.3	–	–	–	–	–	–	19.4	0.9
Hawk	–	–	10.0	0.9	–	–	–	–	–	–	8.7	3.4	–	–	18.7	0.9
Stephens [1]	11.0	44.0	–	–	–	–	–	–	4.1	10.3	0.3	0.1	–	–	15.4	0.7
Weston	–	–	1.1	0.1	–	–	–	–	–	–	13.3	5.2	–	–	14.4	0.7
Sierra	2.9	11.7	1.1	0.1	–	–	–	–	–	–	9.9	3.9	–	–	13.9	0.6
Quantum 542	–	–	4.4	0.4	–	–	2.3	0.5	–	–	6.1	2.4	–	–	12.8	0.6
Cimmaron	–	–	11.1	1.0	–	–	–	–	–	–	–	–	–	–	11.1	0.5
Cree	–	–	10.0	0.9	–	–	0.9	0.2	–	–	–	–	–	–	10.9	0.5
Warrior	–	–	1.1	0.1	–	–	–	–	–	–	–	–	9.0	6.0	10.1	0.5
Manning	–	–	–	–	–	–	–	–	–	–	7.1	2.8	–	–	7.1	0.3
Lewjain [1]	2.2	8.9	–	–	–	–	–	–	4.4	11.0	–	–	–	–	6.6	0.3
Sage	–	–	–	–	6.6	3.9	–	–	–	–	–	–	–	–	6.6	0.3
Rose	–	–	–	–	–	–	–	–	–	–	–	–	6.5	4.3	6.5	0.3
Other & Unknown	4.4	17.5	58.8	5.3	26.6	15.7	26.2	5.9	4.6	11.6	25.4	10.0	5.3	3.7	151.3	6.6
State Total	25.0	100.0	1,110.0	100.0	170.0	100.0	450.0	100.0	40.0	100.0	255.0	100.0	150.0	100.0	2,200.0	100.0

[1] Soft White Wheat

Winter Wheat: *Percent of Total Seeded Acreage 1990-1996 & Seeded Acreage 1995-96*

Variety	Percent of Total Seeded Acreage							Seeded Acres (000)	
	1990	1991	1992	1993	1994	1995 [1]	1996	1995 [1]	1996
Neeley	25.7	24.7	25.0	18.4	23.3	23.6	25.4	353.7	558.6
Tiber	9.5	11.7	13.5	10.7	16.2	12.4	16.2	186.3	356.8
Rocky	9.9	14.0	12.5	14.8	13.3	16.5	13.9	247.7	305.1
Redwin	14.5	13.0	9.9	10.8	10.0	8.9	11.7	133.4	256.5
Big Horn	0.6	0.8	0.3	1.0	1.3	0.7	4.1	11.0	90.8
Winalta	8.0	5.8	6.1	5.8	4.4	2.8	3.5	42.2	76.8
Judith	0.1	0.8	7.0	9.8	10.2	8.2	3.5	123.7	76.6
Centurk	2.7	2.4	3.3	2.4	2.6	3.1	2.9	46.7	63.3
Roughrider	1.9	3.6	2.8	2.0	1.8	1.0	2.0	15.4	44.0
Norstar	6.9	6.6	7.6	6.4	2.0	4.0	1.7	60.5	36.4
Kestrel	–	–	–	–	0.1	0.4	1.4	6.7	30.3
Hill 81 [2]	–	–	–	–	0.5	0.2	0.9	3.2	19.4
Hawk	0.7	0.9	1.0	1.0	0.9	2.4	0.9	36.5	18.7
Stephens [2]	0.3	0.2	0.2	0.6	0.2	0.9	0.7	13.5	15.4
Weston	1.6	1.8	0.6	0.2	1.1	0.6	0.7	9.7	14.4
Sierra	–	–	–	0.1	0.2	0.1	0.6	1.8	13.9
Quantum 542	–	–	–	0.3	1.1	1.8	0.6	26.3	12.8
Cimmaron	0.1	0.6	1.0	0.6	0.6	1.2	0.5	17.6	11.1
Cree	3.9	2.0	0.8	0.6	0.3	0.5	0.5	7.2	10.9
Warrior	1.1	0.4	0.7	1.1	1.7	0.7	0.5	9.8	10.1
Manning	–	–	–	0.1	–	–	0.3	–	7.1
Lewjain [2]	0.2	0.1	0.1	0.1	0.1	–	0.3	–	6.6
Sage	1.5	0.3	0.4	0.1	–	0.1	0.3	1.1	6.6
Rose	–	0.1	0.1	0.1	0.8	–	0.3	–	6.5
Other & Unknown	10.8	10.2	7.1	13.0	7.3	9.9	6.6	146.0	151.3
State Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1500.0	2200.0

[1] Revised [2] Soft White Wheat

Spring Wheat: *Seeded Acreage and Percent of Total by Districts - 1995*

Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Amidon	–	–	412.3	21.7	609.2	39.3	28.7	8.2	–	–	9.6	11.3	77.3	30.9	1,137.1	27.1
Westbred Rambo	–	–	374.3	19.7	41.9	2.7	39.2	11.2	–	–	0.3	0.3	–	–	455.7	10.9
Grandin	–	–	89.3	4.7	179.8	11.6	16.5	4.7	–	–	2.3	2.7	67.3	26.9	355.2	8.5
Fortuna	–	–	245.1	12.9	4.7	0.3	13.3	3.8	–	–	11.0	12.9	0.8	0.3	274.9	6.5
Hi-Line	1.0	4.1	146.3	7.7	54.3	3.5	35.0	10.0	–	–	3.4	4.0	7.0	2.8	247.0	5.9
Stoa	–	–	89.3	4.7	153.5	9.9	–	–	–	–	1.4	1.7	1.0	0.4	245.2	5.8
Newana	1.1	4.3	121.6	6.4	24.8	1.6	56.4	16.1	–	–	13.4	15.8	6.0	2.4	223.3	5.3
Lew	0.1	0.3	148.2	7.8	40.3	2.6	1.8	0.5	–	–	4.6	5.4	0.8	0.3	195.8	4.7
Len	–	–	–	–	122.5	7.9	0.7	0.2	–	–	–	–	12.3	4.9	135.5	3.2
Westbred 926	4.2	16.8	20.9	1.1	–	–	55.3	15.8	6.8	16.9	15.6	18.4	5.0	2.0	107.8	2.6
McNeal	–	–	26.6	1.4	10.9	0.7	14.7	4.2	–	–	3.7	4.4	1.8	0.7	57.7	1.4
Westbred 936	8.0	31.9	19.0	1.0	–	–	3.2	0.9	21.3	53.2	2.5	2.9	1.3	0.5	55.3	1.3
Gus	0.3	1.1	3.8	0.2	41.9	2.7	–	–	–	–	–	–	5.0	2.0	51.0	1.2
Celtic	–	–	–	–	27.9	1.8	–	–	–	–	–	–	12.0	4.8	39.9	1.0
Border	–	–	39.9	2.1	–	–	–	–	–	–	–	–	–	–	39.9	1.0
Pondera	–	–	11.4	0.6	–	–	17.9	5.1	–	–	–	–	–	–	29.3	0.7
Butte 86	–	–	–	–	21.7	1.4	2.5	0.7	–	–	–	–	4.0	1.6	28.2	0.7
Fergus	–	–	3.8	0.2	–	–	14.7	4.2	–	–	5.6	6.6	–	–	24.1	0.6
Krona	–	–	17.1	0.9	6.2	0.4	–	–	–	–	–	–	–	–	23.3	0.6
Bergen	–	–	–	–	21.7	1.4	–	–	–	–	–	–	–	–	21.7	0.5
Leader	–	–	3.8	0.2	9.3	0.6	–	–	–	–	–	–	5.8	2.3	18.9	0.5
Northrup King 751	–	–	13.3	0.7	1.6	0.1	–	–	–	–	3.3	3.9	–	–	18.2	0.4
Kulm	–	–	–	–	17.1	1.1	–	–	–	–	0.2	0.2	0.8	0.3	18.1	0.4
Olaf	–	–	3.8	0.2	10.9	0.7	–	–	–	–	–	–	3.3	1.3	18.0	0.4
Other & Unknown	10.3	41.5	110.2	5.8	149.8	9.7	50.1	14.4	11.9	29.9	8.1	9.5	38.5	15.6	378.9	8.8
State Total	25.0	100.0	1,900.0	100.0	1,550.0	100.0	350.0	100.0	40.0	100.0	85.0	100.0	250.0	100.0	4,200.0	100.0

Spring Wheat: *Percent of Total Seeded Acreage 1990-1996 & Seeded Acreage 1995-96*

Variety	Percent of Total Seeded Acreage							Seeded Acres (000)	
	1990	1991	1992	1993	1994	1995 †	1996	1995 †	1996
Amidon	4.7	11.7	19.6	29.0	27.9	29.9	27.1	1,181.8	1,137.1
Westbred Rambo	15.5	13.5	16.7	15.5	11.9	10.5	10.9	414.5	455.7
Grandin	–	0.2	0.7	3.4	8.5	7.3	8.5	289.7	355.2
Fortuna	9	8.2	6.6	6.6	8.0	8.3	6.5	326.8	274.9
Hi-Line	–	–	–	0.4	2.4	4.3	5.9	170.0	247.0
Stoa	10	8.1	6.7	5.9	5.7	3.6	5.8	141.5	245.2
Newana	16.6	13.3	12.9	8.2	6.9	5.8	5.3	228.4	223.3
Lew	10.7	14.1	8.7	5.0	7.2	4.9	4.7	193.1	195.8
Len	12.7	11.9	8.1	6.6	6.3	6.3	3.2	250.7	135.5
Westbred 926	0.3	0.7	0.9	1.5	2.0	3.0	2.6	117.4	107.8
McNeal	–	–	–	–	–	–	1.4	–	57.7
Westbred 936	–	–	–	–	0.2	0.3	1.3	13.3	55.3
Gus	–	0.1	0.1	–	–	0.6	1.2	25.5	51.0
Celtic	–	0.4	0.6	0.9	1.5	1.2	1.0	49.3	39.9
Border	–	–	–	–	–	0.2	1.0	6.3	39.9
Pondera	2.2	0.8	1.5	0.5	0.9	0.7	0.7	26.5	29.3
Butte 86	0.4	2.0	0.5	0.4	0.1	0.9	0.7	34.7	28.2
Fergus	–	–	–	–	–	0.2	0.6	7.8	24.1
Krona	–	–	–	–	–	0.2	0.6	8.5	23.3
Bergen	–	–	–	–	–	–	0.5	–	21.7
Leader	0.7	0.4	1.1	0.4	0.7	0.1	0.5	3.1	18.9
Northrup King	1.3	0.8	1.1	1.1	0.6	0.4	0.4	16.5	18.2
Kulm	–	–	–	–	–	–	0.4	–	18.1
Olaf	4.5	3.6	2.7	2.8	2.2	1.1	0.4	45.1	18.0
Other & Unknown	11.4	10.2	11.5	11.8	7.0	10.2	8.8	399.5	378.9
State Total	100	100.0	100.0	100.0	100.0	100.0	100.0	3,950.0	4,200.0

† Revised

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WHEAT VARIETIES 1995

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WINTER WHEAT

Neeley retained its standing as the leading variety of winter wheat planted in Montana for the eighth consecutive year despite decreasing in acreage by approximately 18 percent from last year. It accounts for nearly 23 percent of the total winter wheat acreage. Neeley generally has a 1 to 3 percent lower protein level than most recommended hard red winter wheat varieties. It is a semi-dwarf variety, with intermediate maturity. Neeley has satisfactory milling and baking qualities.

Rocky moved up one position to second place this year accounting for 17 percent of the winter wheat acreage. This is almost a 10 percent increase over last year. It has resistance to stem rust. Rocky has average milling and baking qualities.

Tiber dropped one position to third place this year. It has a high yield potential, good shatter resistance and good winter hardiness. It accounts for approximately 12 percent of winter wheat acreage. Tiber has average milling and baking qualities.

Redwin maintained its fourth place position from last year. It has good yield potential and winter hardiness. It is very resistant to shattering. It accounts for nearly 9 percent of the total winter wheat acreage planted this year. It has very good milling and baking qualities and excellent protein levels

SPRING WHEAT

Amidon continued in the top position for the fourth consecutive year accounting for nearly 30 percent of the spring wheat planted in Montana. It has exhibited an intermediate level of stem solidness and has a satisfactory rating for shattering resistance. Its baking quality is superior and has a satisfactory milling quality.

Westbred Rambo retained its second place position accounting for over 10 percent of the spring wheat acreage planted. The North Central district continued to be the largest producer of Westbred Rambo, which planted over 82 percent of the variety in the state. It is resistant to stem rust and very resistant to sawfly. Westbred Rambo has excellent yield potential.

Fortuna moved up one position from last year by increasing in acreage by nearly 10 percent. It accounts for over 8 percent of the spring wheat acreage. It is a relatively high yielding variety with superior milling properties and has acceptable baking properties.

Grandin dropped one position to fourth. It accounts for approximately 7 percent of the spring wheat seeded. It is a semi-dwarf, early maturity spring wheat that is resistant to stem and leaf rust and has high test weights and average protein.

This report was made possible by funds provided by the Montana Wheat & Barley Committee. This survey was conducted by the Montana Agricultural Statistics Service.

Peggy Stringer
State Statistician

Bill Meyer
David F. Mikelson
Agricultural Statisticians

DURUM WHEAT

Kyle remains the top variety of durum wheat planted in Montana for the second year. It accounts for 23 percent of the durum acreage. Kyle is a tall medium maturity durum that is resistant to stem rust and moderately resistant to leaf rust with average test weights.

Vic took second place this year moving up two positions. It accounts for over 17 percent of the seeded durum acreage. Vic is a strong straw variety that is resistant to stem rust and moderately resistant to leaf rust. The milling, processing and cooking properties of this variety are satisfactory.

Monroe slipped one position and ended up in third place this year. It makes up nearly 11 percent of the seeded acreage. Monroe is resistant to prevalent races of stem rust and moderately resistant to prevalent races of leaf rust. The combination of earliness and high yield makes Monroe well suited for growing in all durum areas of the state. It has favorable milling qualities and spaghetti coloring.

Renville moved from fifth place to fourth place this year. It accounts for nearly 10 percent of the total durum wheat acreage planted. It has shown good resistance to stem and leaf rust. Renville has displayed good milling characteristics, spaghetti color and cooking characteristics are acceptable.

Durum Wheat

1995 Seeded Acreage and Percent of Total by Districts

Variety	Northeast		Other Districts		State	
	(000)	%	(000)	%	(000)	%
Kyle	65.2	26.5	3.9	7.2	69.1	23.0
Vic	52.1	21.2	--	--	52.1	17.4
Monroe	32.2	13.1	0.5	0.9	32.7	10.9
Renville	28.5	11.6	0.9	1.7	29.4	9.8
Medora	17.0	6.9	0.8	1.5	17.8	5.9
Ward	13.8	5.6	0.0	0.0	13.8	4.6
Sceptre	2.7	1.1	9.4	17.5	12.1	4.0
Westbred Laker	6.0	2.4	5.7	10.6	11.7	3.9
Plenty	8.0	3.2	3.5	6.5	11.5	3.8
Stockholm	--	--	11.5	21.4	11.5	3.8
Crosby	11.0	4.5	--	--	11.0	3.7
Lloyd	--	--	6.9	12.8	6.9	2.3
Kemut	--	--	0.8	1.5	0.8	0.3
Rugby	0.7	0.3	--	--	0.7	0.2
Unknown	8.8	3.6	10.1	18.4	18.9	6.4
State Total	246.0	100.0	54.0	100.0	300.0	100.0

Durum Wheat

Percent of Total Seeded Acreage 1989-1995 & Seeded Acreage 1994-95

Variety	Percent of Total Seeded Acreage							Seeded Acres (000)	
	1989	1990	1991	1992	1993	1994[1]	1995	1994[1]	1995
Kyle	0.3	--	--	2.4	7.0	23.6	23.0	42.5	69.1
Vic	27.4	24.0	15.5	26.6	7.7	9.3	17.4	16.7	52.1
Monroe	8.3	14.3	14.2	10.3	24.2	22.5	10.9	40.5	32.7
Renville	--	0.6	6.0	5.9	2.8	7.4	9.8	13.4	29.4
Medora	7.8	19.0	14.0	20.8	18.0	3.4	5.9	6.2	17.8
Ward	18.5	10.2	14.1	5.8	1.3	4.6	4.6	8.3	13.8
Sceptre	--	--	0.1	--	--	--	4.0	--	12.1
Westbred Laker	15.2	12.7	12.6	8.9	23.5	14.5	3.9	26.1	11.7
Plenty	--	--	--	--	--	1.7	3.8	3.1	11.5
Stockholm	--	--	--	--	--	--	3.8	--	11.5
Crosby	6.3	4.3	4.3	4.8	2.8	6.4	3.7	11.5	11.0
Lloyd	4.6	1.4	5.4	0.4	--	3.9	2.3	7.0	6.9
Kemut	--	--	--	--	--	1.1	0.3	2.0	0.8
Rugby	--	--	2.5	--	3.1	0.3	0.2	0.5	0.7
Unknown	11.6	13.5	11.3	14.1	9.6	1.3	6.4	2.2	18.9
State Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	180.0	300.0

[1] Revised

Winter Wheat: *Seeded Acreage and Percent of Total by Districts - 1995*

Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Neeley	--	--	130.7	17.2	9.6	7.4	184.3	52.7	9.0	36.1	34.8	12.9	5.9	6.1	374.3	22.7
Rocky	--	--	215.8	28.4	13.5	10.4	31.9	9.1	--	--	22.7	8.4	--	--	283.9	17.2
Tiber	2.4	13.6	75.2	9.9	4.4	3.4	38.2	10.9	--	--	44.3	16.4	34.7	35.8	199.2	12.1
Redwin	--	--	35.0	4.6	14.2	10.9	6.3	1.8	--	--	65.3	24.2	24.3	25.0	145.1	8.8
Judith	--	--	90.4	11.9	--	--	16.8	4.8	0.4	1.6	31.6	11.7	--	--	139.2	8.4
Norstar	--	--	28.9	3.8	12.9	9.9	25.9	7.4	--	--	--	--	--	--	67.7	4.1
Centurk	--	--	47.9	6.3	--	--	4.9	1.4	--	--	--	--	0.8	0.8	53.6	3.2
Winalta	--	--	19.0	2.5	19.8	15.2	1.4	0.4	--	--	--	--	8.6	8.9	48.8	3.0
Hawk	--	--	16.0	2.1	--	--	--	--	--	--	24.8	9.2	--	--	40.8	2.5
Quantum 542	--	--	23.6	3.1	--	--	1.1	0.3	--	--	3.2	1.2	1.8	1.9	29.7	1.8
Cimmaron	--	--	20.5	2.7	--	--	--	--	--	--	--	--	--	--	20.5	1.2
Roughrider	--	--	--	--	18.1	13.9	--	--	--	--	--	--	1.4	1.4	19.5	1.2
Cheyenne	--	--	1.5	0.2	--	--	5.3	1.5	2.8	11.1	3.8	1.4	--	--	13.4	0.8
Big Horn	--	--	3.8	0.5	--	--	7.7	2.2	--	--	--	--	--	--	11.5	0.7
Stephens [1]	0.6	3.6	--	--	--	--	0.4	0.1	9.7	38.7	--	--	0.2	0.2	10.9	0.7
Weston	--	--	--	--	--	--	--	--	0.8	3.2	9.5	3.5	--	--	10.3	0.6
Warrior	--	--	--	--	--	--	--	--	--	--	4.1	1.5	5.6	5.8	9.7	0.6
Cree	--	--	8.4	1.1	--	--	--	--	--	--	--	--	--	--	8.4	0.5
Kestrel	--	--	5.3	0.7	2.7	2.1	--	--	--	--	--	--	--	--	8.0	0.5
Hill 81 [1]	--	--	--	--	--	--	3.2	0.9	--	--	--	--	--	--	3.2	0.2
Thunderbird	0.8	4.2	2.3	0.3	--	--	--	--	--	--	--	--	--	--	3.1	0.2
Agassiz	--	--	--	--	--	--	2.8	0.8	--	--	--	--	--	--	2.8	0.2
Arapahoe	--	--	--	--	--	--	--	--	--	--	--	--	2.6	2.7	2.6	0.2
Daws [1]	2.4	13.2	--	--	--	--	--	--	--	--	--	--	--	--	2.4	0.1
Other & Unknown	11.8	65.4	35.7	4.7	34.8	26.8	19.8	5.7	2.3	9.3	25.9	9.6	11.1	11.4	141.4	8.5
State Total	18.0	100.0	760.0	100.0	130.0	100.0	350.0	100.0	25.0	100.0	270.0	100.0	97.0	100.0	1650.0	100.0

[1] Soft White Wheat

Winter Wheat: *Percent of Total Seeded Acreage 1989-1995 & Seeded Acreage 1994-95*

Variety	Percent of Total Seeded Acreage							Seeded Acres (000)	
	1989	1990	1991	1992	1993	1994	1995	1994 [1]	1995
Neeley	22.8	25.7	24.7	25.0	18.4	23.3	22.7	454.7	374.3
Rocky	12.0	9.9	14.0	12.5	14.8	13.3	17.2	258.7	283.9
Tiber	1.9	9.5	11.7	13.5	10.7	16.2	12.1	315.7	199.2
Redwin	19.8	14.5	13.0	9.9	10.8	10.0	8.8	194.3	145.1
Judith	--	0.1	0.8	7.0	9.8	10.2	8.4	198.4	139.2
Norstar	7.6	6.9	6.6	7.6	6.4	2.0	4.1	38.2	67.7
Centurk	3.0	2.7	2.4	3.3	2.4	2.6	3.2	50.9	53.6
Winalta	9.7	8.0	5.8	6.1	5.8	4.4	3.0	85.0	48.8
Hawk	1.2	0.7	0.9	1.0	1.0	0.9	2.5	18.5	40.8
Quantum 542	--	--	--	--	0.3	1.1	1.8	21.8	29.7
Cimmaron	0.5	0.1	0.6	1.0	0.6	0.6	1.2	11.0	20.5
Roughrider	2.0	1.9	3.6	2.8	2.0	1.8	1.2	35.2	19.5
Cheyenne	1.4	1.8	1.2	0.8	1.0	0.6	0.8	11.3	13.4
Big Horn	0.3	0.6	0.8	0.3	1.0	1.3	0.7	25.2	11.5
Stephens [2]	0.5	0.3	0.2	0.2	0.6	0.2	0.7	3.6	10.9
Weston	1.6	1.6	1.8	0.6	0.2	1.1	0.6	21.5	10.3
Warrior	1.0	1.1	0.4	0.7	1.1	1.7	0.6	32.9	9.7
Cree	3.1	3.9	2.0	0.8	0.6	0.3	0.5	6.0	8.4
Kestrel	--	--	--	--	--	0.1	0.5	1.5	8.0
Hill 81 [2]	--	--	--	--	--	0.5	0.2	9.9	3.2
Thunderbird	0.5	1.1	1.8	0.4	0.2	--	0.2	--	3.1
Agassiz	1.0	0.8	0.7	0.1	0.8	0.4	0.2	7.4	2.8
Arapahoe	--	--	--	--	--	--	0.2	--	2.6
Daws [2]	--	0.1	--	--	0.1	0.1	0.1	1.2	2.4
Other &	10.1	8.7	7.0	6.4	11.4	7.3	8.5	147.1	141.4
State Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1950.0	1650.0

[1] Revised [2] Soft White Wheat

Spring Wheat: *Seeded Acreage and Percent of Total by Districts - 1995*

Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Amidon	1.9	7.4	505.3	29.9	475.4	34.2	32.6	12.8	--	--	8.9	9.9	80.4	37.4	1104.5	29.8
Westbred Rambo	0.5	2.0	314.3	18.6	51.4	3.7	13.5	5.3	0.2	0.6	--	--	--	--	379.9	10.3
Fortuna	1.6	6.4	224.8	13.3	33.4	2.4	28.6	11.2	1.4	4.1	13.0	14.4	--	--	302.8	8.2
Grandin	--	--	67.6	4.0	187.7	13.5	7.1	2.8	--	--	--	--	8.8	4.1	271.2	7.3
Len	--	--	5.1	0.3	198.8	14.3	--	--	--	--	--	--	35.0	16.3	238.9	6.5
Newana	2.6	10.4	145.3	8.6	15.3	1.1	39.3	15.4	--	--	8.0	8.9	--	--	210.5	5.7
Lew	--	--	133.5	7.9	19.5	1.4	9.9	3.9	--	--	5.2	5.8	11.2	5.2	179.3	4.8
Hi-Line	3.8	15.3	89.6	5.3	45.9	3.3	7.7	3.0	3.6	10.3	1.4	1.6	6.2	2.9	158.2	4.3
Stoa	--	--	30.4	1.8	91.7	6.6	1.0	0.4	--	--	--	--	9.9	4.6	133.0	3.6
Westbred 926	12.4	49.4	22.0	1.3	7.0	0.5	32.1	12.6	10.4	29.6	19.1	21.2	12.5	5.8	115.5	3.1
Celtic	--	--	--	--	44.5	3.2	--	--	--	--	--	--	2.2	1.0	46.7	1.3
Olaf	--	--	--	--	41.7	3.0	--	--	--	--	--	--	0.9	0.4	42.6	1.2
Butte 86	--	--	--	--	15.3	1.1	--	--	--	--	--	--	18.9	8.8	34.2	0.9
Gus	--	--	--	--	18.1	1.3	--	--	--	--	--	--	6.5	3.0	24.6	0.7
Pondera	--	--	8.5	0.5	--	--	14.0	5.5	1.0	2.8	0.7	0.8	--	--	24.2	0.7
Glenman	--	--	15.2	0.9	--	--	1.5	0.6	--	--	--	--	7.3	3.4	24.0	0.6
Bounty 309	--	--	--	--	19.5	1.4	--	--	--	--	--	--	--	--	19.5	0.5
Northrup King 751	--	--	6.8	0.4	1.4	0.1	0.8	0.3	--	--	1.5	1.7	5.6	2.6	16.1	0.4
Westbred Express	--	--	6.8	0.4	--	--	4.3	1.7	1.2	3.3	1.1	1.2	--	--	13.4	0.4
Westbred 936	0.1	0.5	--	--	--	--	6.4	2.5	6.5	18.6	0.4	0.4	--	--	13.4	0.4
Success	--	--	5.1	0.3	--	--	--	--	--	--	8.0	8.9	--	--	13.1	0.4
ND 2375	--	--	--	--	11.1	0.8	--	--	--	--	--	--	0.6	0.3	11.7	0.3
Penawawa [1]	0.4	1.4	--	--	--	--	0.8	0.3	7.3	20.9	--	--	--	--	8.5	0.2
Pasqua	--	--	--	--	8.3	0.6	--	--	--	--	--	--	--	--	8.3	0.2
Other & Unknown	1.7	7.2	109.7	6.5	104.0	7.5	55.4	21.7	3.4	9.8	22.7	25.2	9.0	4.2	305.9	8.2
State Total	25.0	100.0	1690.0	100.0	1390.0	100.0	255.0	100.0	35.0	100.0	90.0	100.0	215.0	100.0	3700.0	100.0

[1] Soft White Wheat

Spring Wheat: *Percent of Total Seeded Acreage 1989-1995 & Seeded Acreage 1994-95*

Variety	Percent of Total Seeded Acreage							Seeded Acres (000)	
	1989	1990	1991	1992	1993	1994 [1]	1995	1994 [1]	1995
Amidon	0.6	4.7	11.7	19.6	29.0	27.9	29.8	964.8	1104.5
Westbred Rambo	9.0	15.5	13.5	16.7	15.5	11.9	10.3	411.3	379.9
Fortuna	14.6	9.0	8.2	6.6	6.6	8.0	8.2	275.3	302.8
Grandin	--	--	0.2	0.7	3.4	8.5	7.3	292.3	271.2
Len	15.2	12.7	11.9	8.1	6.6	6.3	6.5	216.8	238.9
Newana	19.7	16.6	13.3	12.9	8.2	6.9	5.7	239.2	210.5
Lew	10.2	10.7	14.1	8.7	5.0	7.2	4.8	247.2	179.3
Hi-Line	--	--	--	--	0.4	2.4	4.3	83.9	158.2
Stoa	7.9	10.0	8.1	6.7	5.9	5.7	3.6	198.0	133.0
Westbred 926	0.1	0.3	0.7	0.9	1.5	2.0	3.1	69.2	115.5
Celtic	--	--	0.4	0.6	0.9	1.5	1.3	50.5	46.7
Olaf	5.8	4.5	3.6	2.7	2.8	2.2	1.2	77.3	42.6
Butte 86	0.4	0.4	2.0	0.5	0.4	0.1	0.9	4.4	34.2
Gus	--	--	0.1	0.1	--	--	0.7	--	24.6
Pondera	2.4	2.2	0.8	1.5	0.5	0.9	0.7	32.7	24.2
Glenman	2.4	1.4	1.5	0.7	1.4	1.0	0.6	32.8	24.0
Bounty 309	0.2	0.2	0.3	0.6	--	0.3	0.5	8.9	19.5
Northrup King 751	0.5	1.3	0.8	1.1	1.1	0.6	0.4	19.0	16.1
Westbred Express	--	--	--	--	--	0.3	0.4	11.8	13.4
Westbred 936	--	--	--	--	--	0.2	0.4	5.9	13.4
Success	1.0	0.5	0.1	0.2	0.1	0.5	0.4	15.7	13.1
ND 2375	--	--	--	--	--	--	0.3	--	11.7
Penawawa [2]	--	--	--	0.1	0.5	0.2	0.2	7.4	8.5
Pasqua	--	--	--	--	--	--	0.2	--	8.3
Other & Unknown	10.0	10.0	8.7	11.0	10.2	5.4	8.2	185.6	305.9
State Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	3450.0	3700.0

[1] Revised [2] Soft White Wheat

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PLEASE RETURN

WINTER WHEAT

Neeley, which accounts for about one fourth of all the winter wheat planted in Montana, remains in the top position for the seventh consecutive year. It continues to be the top variety in the central and southwest districts. It is a semi-dwarf, intermediate maturing variety. Neeley has moderate to good milling and baking qualities, but has a 1 to 3 percent lower protein content than other recommended varieties.

Tiber, released in 1987 by the Montana Agricultural Experiment Station, moved up two positions to second place this year. Tiber accounted for about 16 percent of the winter wheat acreage, up 5 points from a year ago. Tiber has high yield potential, good winter hardiness and drought tolerance. It also has average milling and baking qualities.

Rocky dropped one spot to third place, with slightly more than 12 percent of the acreage. It is the most frequently planted variety in the North Central district. It is a superior yielding variety under most conditions. Rocky has average milling and baking qualities.

Redwin dropped to fourth place, down one from a year ago. It accounts for about 10 percent of the total winter wheat acreage. Redwin has good yield potential, winter hardiness, shatter and lodging resistance. Its protein level has been excellent. The milling and baking qualities of Redwin are excellent.

SPRING WHEAT

Amidon ND (606), with about 28 percent of the spring wheat acreage, holds on to first place. Its acreage increased by 19 percent over a year ago. Amidon, released in 1988 by NDSU, is especially adapted to dryland conditions where it has excellent yield potential. It has good resistance to both leaf and stem rust, has root rot tolerance and good milling qualities.

Westbred Rambo kept its second position, being planted on over 12 percent of the spring wheat acreage. North Central district producers seeded 89 percent of the Westbred Rambo acreage. Released by Western Plant Breeders, it is a semi-dwarf variety with sawfly and lodging resistance.

Grandin replaced Newana in the third position. Its acreage nearly tripled from last year and now accounts for over 8 percent of the total spring wheat acreage. Released in North Dakota in 1989, Grandin is a semi-dwarf, early maturity spring wheat that is resistant to stem and leaf rust with high test weights and average protein.

Fortuna moved into fourth place this year being planted on over 8 percent of the spring wheat acres. Its acreage also increased more than two-fold from a year ago. It is a relatively high yielding variety with superior milling properties, and has acceptable baking properties.

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This survey was conducted by the Montana Agricultural Statistics Service.

James K. Sands
State Statistician

Bill Meyer
Agricultural Statistician

DURUM WHEAT

Kyle moved from fifth place last year to first place. Kyle acreage increased from 8,000 acres to 41.1 thousand acres and now accounts for 22.8 percent of the total durum wheat acreage. Kyle is a tall medium maturity durum that is resistant to stem rust and moderately resistant to leaf rust with average test weights.

Monroe dropped to second place with 21.6 percent of the acreage, being planted on 38.9 thousand acres. Released by North Dakota in 1985, Monroe is highly resistant to most stem rust, has a high yield potential, and has favorable milling qualities and spaghetti coloring.

Westbred Laker fell to third place with 16.4 percent of the planted acreage. Westbred Laker is resistant to stem rust, moderately resistant to leaf rust and has a high yield potential. It is a tall, semi-dwarf variety released by Western Plant Breeders in 1986.

Vic dropped from third to fourth place this year. It was planted on 16,000 acres and makes up about 9 percent of the seeded acreage. Vic is of medium height with good disease resistance to stem rust and root rot. It is moderately resistant to leaf rust, and has satisfactory milling, processing and cooking properties.

DURUM WHEAT

SEEDED ACREAGE & PERCENT OF TOTAL BY DISTRICTS – 1994, MONTANA

VARIETY	NORTHEAST		OTHER DISTRICTS		STATE	
	Acres		Acres		Acres	
	(000)	PCT	(000)	PCT	(000)	PCT
Kyle	40.2	25.8	0.9	3.8	41.1	22.8
Monroe	38.9	25.0	--	--	38.9	21.6
Westbred Laker	13.5	8.7	16.0	66.7	29.5	16.4
Vic	16.0	10.3	--	--	16.0	8.9
Renville	13.0	8.3	--	--	13.0	7.2
Crosby	11.1	7.1	--	--	11.1	6.2
Ward	6.3	4.0	2.4	10.0	8.7	4.8
Lloyd	5.6	3.6	1.6	6.7	7.2	4.0
Medora	6.0	3.8	--	--	6.0	3.3
Plenty	3.0	1.9	--	--	3.0	1.7
Kemut	1.1	0.7	1.2	5.0	2.3	1.3
Cando	0.8	0.5	--	--	0.8	0.4
Rugby	0.5	0.3	--	--	0.5	0.3
Other & Unknown	--	--	1.9	7.8	1.9	1.1
STATE TOTAL	156.0	100.0	24.0	100.0	180.0	100.0

DURUM WHEAT

PERCENT OF TOTAL SEEDED ACREAGE 1988–1994 & SEEDED ACREAGE 1993–94, MONTANA

VARIETY	PERCENT OF TOTAL SEEDED ACREAGE							SEEDED ACRES (000)	
	1988	1989	1990	1991	1992	1993	1994	1993 1/	1994
Kyle	0.1	0.3	--	--	2.4	7.0	22.8	8.0	41.1
Monroe	6.1	8.3	14.3	14.2	10.3	24.2	21.6	27.8	38.9
Westbred Laker	4.0	15.2	12.7	12.6	8.9	23.5	16.4	27.1	29.5
Vic	29.7	27.4	24.0	15.5	26.6	7.7	8.9	8.9	16.0
Renville	--	--	0.6	6.0	5.9	2.8	7.2	3.2	13.0
Crosby	14.7	6.3	4.3	4.3	4.8	2.8	6.2	3.2	11.1
Ward	17.0	18.5	10.2	14.1	5.8	1.3	4.8	1.5	8.7
Lloyd	6.6	4.6	1.4	5.4	0.4	--	4.0	--	7.2
Medora	8.6	7.8	19.0	14.0	20.8	18.0	3.3	20.8	6.0
Plenty	--	--	--	--	--	--	1.7	--	3.0
Kemut	--	--	--	--	--	--	1.3	--	2.3
Cando	1.8	6.6	1.8	0.2	--	--	0.4	--	0.8
Rugby	--	--	--	2.5	--	3.1	0.3	3.5	0.5
Other & Unknown	11.4	5.1	11.3	11.2	14.1	9.6	1.1	11.0	1.9
STATE TOTAL	100.0	100.1	99.6	100.0	100.0	100.0	100.0	115.0	180.0

1/ Revised

WINTER WHEAT: SEEDED ACREAGE AND PERCENT OF TOTAL BY DISTRICTS–1994, MONTANA

VARIETY	NORTHWEST ACRES		N. CENTRAL ACRES		NORTHEAST ACRES		CENTRAL ACRES		SOUTHWEST ACRES		S. CENTRAL ACRES		SOUTHEAST ACRES		STATE ACRES	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Neeley	--	--	141.3	15.7	12.6	8.1	254.1	59.1	22.4	56.0	40.8	15.4	9.4	7.0	480.6	24.6
Tiber	--	--	170.1	18.9	9.5	6.1	42.1	9.8	4.9	12.3	59.6	22.5	17.8	13.3	304.0	15.6
Rocky	--	--	208.8	23.2	--	--	31.0	7.2	0.4	1.0	--	--	--	--	240.2	12.3
Redwin	--	--	57.6	6.4	10.5	6.8	15.5	3.6	1.4	3.5	75.8	28.6	30.6	22.8	191.4	9.8
Judith	--	--	139.5	15.5	7.8	5.0	31.4	7.3	1.6	4.0	8.5	3.2	--	--	188.8	9.7
Winalta	0.4	1.5	22.5	2.5	33.0	21.3	2.6	0.6	--	--	--	--	31.8	23.7	90.3	4.6
Centurk	--	--	40.5	4.5	--	--	4.3	1.0	--	--	2.1	0.8	--	--	46.9	2.4
Roughrider	1.0	3.8	--	--	40.0	25.8	--	--	--	--	--	--	0.5	0.4	41.5	2.1
Norstar	--	--	33.3	3.7	1.4	0.9	--	--	--	--	--	--	--	--	34.7	1.8
Warrior	--	--	--	--	--	--	--	--	--	--	16.2	6.1	17.4	13.0	33.6	1.7
Bighorn	--	--	9.9	1.1	--	--	16.8	3.9	--	--	--	--	--	--	26.7	1.4
Weston	--	--	--	--	--	--	--	--	--	--	20.7	7.8	--	--	20.7	1.1
Quantum 542	--	--	15.3	1.7	0.8	0.5	--	--	--	--	4.0	1.5	--	--	20.1	1.0
Hawk	--	--	--	--	--	--	--	--	--	--	17.0	6.4	0.9	0.7	17.9	0.9
Seward	--	--	--	--	16.3	10.5	--	--	--	--	--	--	--	--	16.3	0.8
Rose	--	--	--	--	--	--	--	--	--	--	--	--	15.1	11.3	15.1	0.8
Hill 81	--	--	--	--	--	--	11.6	2.7	--	--	--	--	--	--	11.8	0.6
Cheyenne	--	--	3.6	0.4	--	--	4.3	1.0	--	--	3.4	1.3	--	--	11.3	0.6
Cimmaron	--	--	9.9	1.1	--	--	--	--	--	--	--	--	--	--	9.9	0.5
Vona	--	--	9.0	1.0	--	--	--	--	--	--	--	--	--	--	9.0	0.5
Agassiz	--	--	--	--	8.7	5.6	--	--	--	--	--	--	--	--	8.7	0.4
Trapper	--	--	--	--	7.8	5.0	--	--	--	--	--	--	--	--	7.8	0.4
Cree	--	--	5.4	0.6	--	--	--	--	--	--	--	--	--	--	5.4	0.3
Malcom	5.4	20.8	--	--	--	--	--	--	--	--	--	--	--	--	5.4	0.3
Other & unknown	19.2	73.9	33.3	3.7	6.6	4.4	16.3	3.8	9.3	23.2	16.9	6.4	10.5	7.8	112.1	5.8
State	26.0	100.0	900.0	100.0	155.0	100.0	430.0	100.0	40.0	100.0	265.0	100.0	134.0	100.0	1950.0	100.0

WINTER WHEAT: PERCENT OF TOTAL SEEDED ACREAGE 1988–94 & SEEDED ACREAGE 1993–94, MONTANA

VARIETY	PERCENT OF TOTAL SEEDED ACREAGE							SEEDED ACRES (000)	
	1988	1989	1990	1991	1992	1993	1994	1993 1/	1994
Neeley	25.5	22.8	25.7	24.7	25.0	18.4	24.6	488.3	480.6
Tiber	0.3	1.9	9.5	11.7	13.5	10.7	15.6	284.4	304.0
Rocky	9.0	12.0	9.9	14.0	12.5	14.8	12.3	391.9	240.2
Redwin	19.6	19.8	14.5	13.0	9.9	10.8	9.8	285.0	191.4
Judith	--	--	0.1	0.8	7.0	9.8	9.7	259.4	188.8
Winalta	9.8	9.7	8.0	5.8	6.1	5.8	4.6	153.7	90.3
Centurk	3.8	3.0	2.7	2.4	3.3	2.4	2.4	63.4	46.9
Roughrider	4.1	2.0	1.9	3.6	2.8	2.0	2.1	53.6	41.5
Norstar	8.7	7.6	6.9	6.6	7.6	6.4	1.8	168.9	34.7
Warrior	0.8	1.0	1.1	0.4	0.7	1.1	1.7	28.7	33.6
Bighorn	0.1	0.3	0.6	0.8	0.3	1.0	1.4	25.3	26.7
Weston	1.1	1.6	1.6	1.8	0.8	0.2	1.1	5.3	20.7
Quantum 542	--	--	--	--	--	0.3	1.0	8.0	20.1
Hawk	0.6	1.2	0.7	0.9	1.0	1.0	0.9	27.1	17.9
Seward	--	--	--	--	0.2	1.3	0.8	34.5	16.3
Rose	--	--	--	0.1	0.1	0.1	0.8	2.5	15.1
Hill 81	--	--	--	--	--	--	0.6	--	11.6
Cheyenne	1.7	1.4	1.8	1.2	0.8	1.0	0.6	26.9	11.3
Cimmaron	0.2	0.5	0.1	0.6	1.0	0.6	0.5	15.9	9.9
Vona	0.3	0.4	0.5	0.6	0.3	0.6	0.5	16.6	9.0
Agassiz	1.1	1.0	0.8	0.7	0.1	0.8	0.4	21.1	8.7
Trapper	--	--	--	--	0.1	0.1	0.4	1.5	7.8
Cree	2.9	3.1	3.9	2.0	0.8	0.6	0.3	16.8	5.4
Malcolm	--	--	--	--	--	--	0.3	--	5.4
Other & unknown	10.4	10.7	9.7	8.3	6.3	10.2	5.8	271.2	112.1
State	100.0	100.0	100.0	100.0	100.0	100.0	100.0	2650.0	1950.0

1/ Revised

SPRING WHEAT: SEEDED ACREAGE AND PERCENT OF TOTAL BY DISTRICTS–1994, MONTANA

VARIETY	NORTHWEST ACRES		N. CENTRAL ACRES		NORTHEAST ACRES		CENTRAL ACRES		SOUTHWEST ACRES		S. CENTRAL ACRES		SOUTHEAST ACRES		STATE ACRES	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Amidon (ND 606)	0.6	2.1	390.7	26.8	485.4	34.5	23.4	9.8	--	--	8.8	14.7	39.6	22.1	948.5	27.9
Westbred Rambo	--	--	370.3	25.4	39.4	2.8	7.9	3.3	--	--	0.6	1.0	--	--	418.2	12.3
Grandin	0.6	2.1	23.3	1.6	230.7	16.4	4.1	1.7	--	--	--	--	22.9	12.8	281.6	8.3
Fortuna	--	--	215.8	14.8	32.4	2.3	25.6	10.7	0.3	1.0	2.0	3.3	0.9	0.5	277.0	8.1
Lew	--	--	170.6	11.7	61.9	4.4	5.3	2.2	0.6	2.1	6.0	10.0	3.2	1.8	247.6	7.3
Newana	2.8	10.0	112.3	7.7	11.3	0.8	87.5	36.6	4.9	16.9	9.2	15.4	5.7	3.2	233.7	6.9
Len	--	--	--	--	187.1	13.3	3.3	1.4	--	--	--	--	17.0	9.5	207.4	6.1
Stoa	0.6	2.1	48.1	3.3	116.8	8.3	6.5	2.7	--	--	0.4	0.7	20.8	11.6	193.2	5.7
Gus	3.6	12.9	39.4	2.7	26.7	1.9	6.5	2.7	3.3	11.4	3.7	6.2	3.4	1.9	86.6	2.5
Olaf	--	--	1.5	0.1	45.0	3.2	1.2	0.5	--	--	--	--	27.4	15.3	75.1	2.2
Westbred 926	5.7	20.4	17.5	1.2	--	--	29.2	12.2	4.7	16.2	9.7	16.2	0.9	0.5	67.7	2.0
Celtic	--	--	1.5	0.1	38.0	2.7	--	--	--	--	--	--	9.3	5.2	48.8	1.4
Glenman	--	--	10.2	0.7	19.7	1.4	1.2	0.5	--	--	0.8	1.3	--	--	31.9	0.9
Pondera	--	--	11.7	0.8	4.2	0.3	9.3	3.9	3.2	11.0	3.2	5.3	--	--	31.6	0.9
Leader	--	--	1.5	0.1	21.1	1.5	--	--	--	--	--	--	--	--	22.6	0.7
Northrup King 751	--	--	14.6	1.0	--	--	--	--	--	--	0.8	1.3	3.9	2.2	19.3	0.6
Success	--	--	--	--	14.1	1.0	--	--	--	--	0.8	1.3	--	--	14.9	0.4
Westbred Express	--	--	--	--	--	--	10.8	4.5	0.1	0.3	--	--	--	--	10.9	0.3
Cutlass	--	--	--	--	9.8	0.7	--	--	--	--	--	--	--	--	9.8	0.3
Bounty 309	--	--	--	--	8.4	0.6	--	--	--	--	--	--	--	--	8.4	0.2
Penawawa	3.1	11.1	--	--	--	--	--	--	4.3	14.8	0.8	1.3	--	--	8.2	0.2
Tioga	--	--	--	--	7.0	0.5	--	--	--	--	--	--	--	--	7.0	0.2
Westbred 906R	3.3	11.8	--	--	1.4	0.1	--	--	--	--	1.4	2.3	0.2	0.1	6.3	0.2
Westbred 936	0.1	0.4	--	--	--	--	1.9	0.8	3.5	12.1	0.2	0.3	--	--	5.7	0.2
Other & unknown	7.6	27.1	29.0	2.0	46.6	3.3	15.3	6.5	4.1	14.2	11.6	19.4	23.8	13.3	138.0	4.2
State	28.0	100.0	1458.0	100.0	1407.0	100.0	239.0	100.0	29.0	100.0	60.0	100.0	179.0	100.0	3400.0	100.0

SPRING WHEAT: PERCENT OF TOTAL SEEDED ACREAGE 1988–94 & SEEDED ACREAGE 1993–94, MONTANA

VARIETY	PERCENT OF TOTAL SEEDED ACREAGE							SEEDED ACRES (000)	
	1988	1989	1990	1991	1992	1993	1994	1993 1/	1994
Amidon (ND 606)	--	0.6	4.7	11.7	19.6	29.0	27.9	798.1	948.5
Westbred Rambo	6.6	9.0	15.5	13.5	16.7	15.5	12.3	425.5	418.2
Grandin	--	--	--	0.2	0.7	3.4	8.3	94.1	281.6
Fortuna	11.8	14.6	9.0	8.2	6.6	6.6	8.1	181.0	277.0
Lew	10.4	10.2	10.7	14.1	8.7	5.0	7.3	138.5	247.6
Newana	16.2	19.7	16.6	13.3	12.9	8.2	6.9	225.1	233.7
Len	15.1	15.2	12.7	11.9	8.1	6.6	6.1	181.1	207.4
Stoa	10.3	7.9	10.0	8.1	6.7	5.9	5.7	162.0	193.2
Gus	--	--	--	0.1	0.1	--	2.5	--	86.6
Olaf	5.9	5.8	4.5	3.6	2.7	2.8	2.2	78.3	75.1
Westbred 926	0.1	0.1	0.3	0.7	0.9	1.5	2.0	41.4	67.7
Celtic	--	--	--	0.4	0.6	0.9	1.4	23.9	48.8
Glenman	1.1	2.4	1.4	1.5	0.7	1.4	0.9	38.0	31.9
Pondera	1.8	2.4	2.2	0.8	1.5	0.5	0.9	14.5	31.6
Leader	0.9	1.1	0.7	0.4	1.1	0.4	0.7	11.8	22.6
Northrup King 751	0.9	0.5	1.3	0.8	1.1	1.1	0.6	30.9	19.3
Success	2.4	1.0	0.5	0.1	0.2	0.1	0.4	2.8	14.9
Westbred Express	--	--	--	--	--	--	0.3	--	10.9
Cutlass	1.1	0.5	0.7	0.7	0.4	0.7	0.3	20.3	9.8
Bounty 309	0.3	0.2	0.2	0.3	0.6	--	0.2	--	8.4
Penawawa	--	--	--	--	--	0.1	0.5	0.2	12.4	8.2
Tioga	3.1	1.1	1.4	1.1	1.3	1.4	0.2	37.2	7.0
Westbred 906R	0.2	0.2	0.4	0.3	0.2	0.3	0.2	8.3	6.3
Westbred 936	--	--	--	--	--	--	0.2	--	5.7
Other & unknown	11.8	7.5	7.2	8.2	8.5	8.2	4.2	224.8	138.0
State	100.0	100.0	100.0	100.0	100.0	100.0	100.0	2750.0	3400.0

1/ Revised

WHEAT VARIETIES 1993

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Released: July 30, 1993

WINTER WHEAT

Neeley remains in top position for the sixth consecutive year. It is a semi-dwarf, intermediate maturing variety, first released in 1980. Neeley quickly became a leading variety. For the five years prior to 1993 it has accounted for about one-quarter of the total winter wheat planted acres. In 1993 Neeley accounted for nearly 19 percent of the state's winter wheat acreage. Neeley is the top variety in central and southwest Montana. Neeley has moderate to good milling and baking qualities, but has a 1 to 3 percent lower protein content than other recommended varieties.

Rocky once again claims second place, with more than 14 percent of the states seeded acres. Rocky, grown mainly in north central Montana, increased 17 percent over last year's acreage. It is a high yielding variety released by North American Plant Breeders with good stem and leaf rust resistance and acceptable milling and baking qualities.

Redwin acreage increased 10 percent and moved back into third place after falling into fourth place last year. This prominent variety had been declining since 1984. Redwin is the leading variety in south central and southeast Montana. Redwin was released by Montana State University with good yield potential, winter hardiness, shatter and lodging resistance and a high protein content.

Tiber plantings declined 20 percent and moved down to fourth place. Tiber accounts for 10.6 percent of total winter wheat acreage. Tiber was released by M.S.U. in 1987 and has increased in percent of total winter wheat acres each year, until this year. Tiber has high yield potential, good winter hardiness and drought tolerance. Tiber also has good milling and baking qualities.

HARD SPRING WHEAT

Amidon ND(606) remained in the number 1 position as planted acreage increased 53 percent, and represented 30 percent of the spring wheat planted acreage. It was released in 1988 by NDSU. Amidon is especially adapted to dryland conditions where it has excellent yield potential. It has good resistance to both leaf and stem rust, has root rot tolerance and good milling qualities.

WestBred Rambo maintained its second position, in spite of an 11 percent drop in planted acreage. It is the top variety in north central Montana where 89 percent of total Rambo acreage was planted this year. Rambo contributed 15 percent to the total 1993 planted spring wheat acres. Rambo climbed from less than 1 percent in 1987 to become the second most important variety in the state in 1992. It was released by the Western Plant Breeders, with sawfly, and lodging resistance.

Newana, remained in third place, in spite of a 40 percent drop in planted acreage. Newana is a popular spring wheat variety that is grown in every district of the state. It is the top variety in the central section of Montana this year with 32 percent of that district's planted acres. Newana was released by M.S.U, and is a semi-dwarf variety with good milling quality and yield potential.

Len is the fourth place variety again this year, although planted acreage dropped 14 percent. The northeastern area of the state has a large majority of the Len. It is a semi-dwarf variety from North Dakota with excellent milling and baking quality.

This report was made possible by funds provided by the Montana Wheat & Barley Committee.
This survey was conducted by the Montana Agricultural Statistics Service.

James K. Sands
State Statistician

Sidney W. Lebahn
Agricultural Statistician

DURUM WHEAT

Monroe moved into first place with 28,300 acres seeded in 1993 compared with 16,400 acres in 1992. Monroe accounted for 24.6 percent of the durum planted. It was released by North Dakota in 1985. Monroe is highly resistant to most stem rust, has a high yield potential, and has favorable milling qualities and spaghetti coloring.

WestBred Laker moved into second position among durum wheat varieties, accounting for 27,500 acres and 23.9 percent of all durum seeded. It is a tall semi-dwarf released by the Western Plant Breeders in 1986. WestBred Laker is resistant to stem rust, moderately resistant to leaf rust and has a high yield potential.

Medora moved down to third place this season with 18.3 percent of the planted acreage. It has been on the scene for seven years and has been one of the top five durum wheat varieties since 1988. Medora is a strong-strawed, disease resistant variety with high yield potential.

Vic fell from its previous number one position to take up the number 4 spot in 1993. Vic was seeded on 7.8 percent of durum acreage in sharp contrast with the 26.6 percent in 1992. Vic is of medium height with good disease resistance to stem rust and root rot. It is moderately resistant to leaf rust, and has satisfactory milling, processing and cooking properties.

DURUM WHEAT VARIETIES

SEEDED ACREAGE & PERCENT OF TOTAL BY DISTRICTS – 1993 PRELIMINARY

VARIETY	NORTHEAST		OTHER DISTRICTS		STATE	
	Acres		Acres		Acres	
	(000)	PCT	(000)	PCT	(000)	PCT
Monroe	28.3	26.0	0.0	0.0	28.3	24.6
Westbred Laker	27.5	25.3	0.0	0.0	27.5	23.9
Medora	21.1	19.4	0.0	0.0	21.1	18.3
Vic	9.0	8.3	0.0	0.0	9.0	7.8
Kyle	8.2	7.5	0.0	0.0	8.2	7.1
Rugby	3.6	3.3	0.0	0.0	3.6	3.1
Renville	3.3	3.0	0.0	0.0	3.3	2.9
Crosby	3.3	3.0	0.0	0.0	3.2	2.8
Ward	1.5	1.4	0.0	0.0	1.5	1.3
Other & Unknown	3.2	2.8	6.2	100.0	9.3	8.1
STATE TOTAL	108.8	100.0	6.2	100.0	115.0	100.0

DURUM WHEAT

PERCENT OF TOTAL SEEDED ACREAGE 1988–1993 & SEEDED ACREAGE 1992–93

VARIETY	PERCENT OF TOTAL SEEDED ACREAGE						SEEDED ACRES (000)	
	1988	1989	1990	1991	1992	1993	1992 1/	1993 2/
Monroe	6.1	8.3	14.3	14.2	10.3	24.6	16.4	28.3
WestBred Laker	4.0	15.2	12.7	12.6	8.9	23.9	14.2	27.5
Medora	8.6	7.8	19.0	14.0	20.8	18.3	33.3	21.1
Vic	29.7	27.4	24.0	15.5	26.6	7.8	42.6	9.0
Kyle	0.1	0.3	--	--	2.4	7.1	3.8	8.2
Rugby	--	--	--	2.5	--	3.1	--	3.6
Renville	--	--	0.6	6.0	5.9	2.9	9.5	3.3
Crosby	14.7	6.3	4.3	4.3	4.8	2.8	7.6	3.2
Ward	17.0	18.5	10.2	14.1	5.8	1.3	9.3	1.5
Wakooma	0.7	1.3	4.0	0.2	1.3	--	2.1	--
Wascana	1.7	--	1.0	--	1.6	--	2.5	--
Lloyd	6.6	4.6	1.4	5.4	0.4	--	0.6	--
Other & Unknown	10.8	10.3	8.5	11.2	11.2	8.2	18.1	9.3
STATE TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	160.0	115.0

1/ Revised 2/ Preliminary

WINTER WHEAT VARIETIES: SEEDED ACREAGE AND PERCENT OF TOTAL BY DISTRICTS – 1993 PRELIMINARY

VARIETY	NORTHWEST ACRES		N. CENTRAL ACRES		NORTHEAST ACRES		CENTRAL ACRES		SOUTHWEST ACRES		S. CENTRAL ACRES		SOUTHEAST ACRES		STATE ACRES	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Neeley	1.4	4.1	156.2	12.3	30.2	10.6	265.4	49.7	13.9	31.7	25.4	8.7	5.9	3.1	498.4	18.8
Rocky	--	--	325.1	25.6	2.6	0.9	48.1	9.0	--	--	3.2	1.1	2.1	1.1	381.1	14.4
Redwin	0.9	2.6	105.4	8.3	23.1	8.1	24.0	4.5	1.6	3.6	73.9	25.3	55.7	29.3	284.6	10.7
Tiber	0.3	0.8	142.2	11.2	13.1	4.6	41.7	7.8	1.8	4.2	56.9	19.5	25.8	13.6	281.8	10.6
Judith	--	--	166.4	13.1	2.0	0.7	72.6	13.6	1.8	4.2	7.6	2.6	6.5	3.4	256.9	9.7
Norstar	--	--	121.9	9.6	35.6	12.5	2.7	0.5	--	--	--	--	4.6	2.4	164.8	6.2
Winalta	--	--	76.2	6.0	60.1	21.1	0.5	0.1	--	--	--	--	15.6	8.2	152.4	5.8
Centurk	--	--	54.6	4.3	--	--	3.2	0.6	--	--	0.6	0.2	3.0	1.6	61.4	2.3
Roughrider	--	--	--	--	42.5	14.9	--	--	--	--	--	--	12.5	6.6	55.0	2.1
Siouxland	--	--	--	--	--	--	16.0	3.0	--	--	21.6	7.4	--	--	37.6	1.4
Seward	0.3	0.8	--	--	34.8	12.2	--	--	0.3	0.7	--	--	--	--	35.4	1.4
Warrior	--	--	2.5	0.2	--	--	--	--	--	--	11.1	3.8	15.6	8.2	29.2	1.1
Hawk	--	--	5.1	0.4	--	--	3.2	0.6	--	--	18.7	6.4	--	--	27.0	1.0
Cheyenne	0.4	1.1	12.7	1.0	2.6	0.9	--	--	--	--	3.8	1.3	7.4	3.9	26.9	1.0
Bighorn	--	--	11.4	0.9	7.1	2.5	4.8	0.9	--	--	0.6	0.2	1.3	0.7	25.2	1.0
Aqassiz	--	--	--	--	13.4	4.7	--	--	--	--	--	--	8.4	4.4	21.8	0.8
Cree	--	--	10.2	0.8	--	--	5.9	1.1	0.7	1.7	--	--	--	--	16.8	0.6
Stephens	7.4	21.1	--	--	--	--	--	--	9.4	21.4	--	--	--	--	16.8	0.6
Vona	--	--	10.2	0.8	--	--	6.4	1.2	--	--	--	--	--	--	16.6	0.6
Cimmaron	--	--	15.2	1.2	--	--	--	--	--	--	--	--	--	--	15.2	0.6
Other & Unknown	24.3	69.5	54.7	4.3	17.9	6.3	39.5	7.4	14.5	32.5	68.6	23.5	25.6	13.5	245.1	9.3
ALL VARIETIES	35.0	100.0	1270.0	100.0	285.0	100.0	534.0	100.0	44.0	100.0	292.0	100.0	190.0	100.0	2650.0	100.0

WINTER WHEAT: PERCENT OF TOTAL SEEDED ACREAGE 1988–1993 AND SEEDED ACREAGE 1992–1993

VARIETY	PERCENT OF TOTAL SEEDED ACREAGE						SEEDED ACRES (000)	
	1988	1989	1990	1991	1992	1993	1992 1/	1993 2/
Neeley	25.5	22.8	25.7	24.7	25.0	18.8	650.6	498.4
Rocky	9.0	12.0	9.9	14.0	12.5	14.4	325.7	381.1
Redwin	19.6	19.8	14.5	13.0	9.9	10.7	257.9	284.6
Tiber	0.3	1.9	9.5	11.7	13.5	10.6	350.3	281.8
Judith	--	--	0.1	0.8	7.0	9.7	183.0	256.9
Norstar	8.7	7.6	6.9	6.6	7.6	6.2	197.7	164.8
Winalta	9.8	9.7	8.0	5.8	6.1	5.8	159.0	152.4
Centurk	3.8	3.0	2.7	2.4	3.3	2.3	84.9	61.4
Roughrider	4.1	2.0	1.9	3.6	2.8	2.1	73.1	55.0
Siouxland	--	--	--	--	0.1	1.4	3.8	37.6
Seward	--	--	--	--	0.2	1.4	6.4	35.4
Warrior	0.8	1.0	1.1	0.4	0.7	1.1	17.1	29.2
Hawk	0.6	1.2	0.7	0.9	1.0	1.0	26.3	27.0
Cheyenne	1.7	1.4	1.8	1.2	0.8	1.0	20.3	26.9
Bighorn	0.1	0.3	0.6	0.8	0.3	1.0	6.5	25.2
Agassiz	1.1	1.0	0.8	0.7	0.1	0.8	2.9	21.8
Cree	2.9	3.1	3.9	2.0	0.8	0.6	21.6	16.8
Stephens	0.5	0.5	0.3	0.2	0.2	0.6	6.2	16.8
Vona	0.3	0.4	0.5	0.6	0.3	0.6	7.1	16.6
Cimmaron	0.2	0.5	0.1	0.6	1.0	0.6	25.6	15.2
Other & Unknown	11.0	11.8	11.0	10.0	6.8	9.3	174.0	245.1
STATE TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	2600.0	2650.0

1/ Revised 2/ Preliminary

DURUM WHEAT

Monroe moved into first place with 28,300 acres seeded in 1993 compared with 16,400 acres in 1992. Monroe accounted for 24.6 percent of the durum planted. It was released by North Dakota in 1985. Monroe is highly resistant to most stem rust, has a high yield potential, and has favorable milling qualities and spaghetti coloring.

WestBred Laker moved into second position among durum wheat varieties, accounting for 27,500 acres and 23.9 percent of all durum seeded. It is a tall semi-dwarf released by the Western Plant Breeders in 1986. WestBred Laker is resistant to stem rust, moderately resistant to leaf rust and has a high yield potential.

Medora moved down to third place this season with 18.3 percent of the planted acreage. It has been on the scene for seven years and has been one of the top five durum wheat varieties since 1988. Medora is a strong-strawed, disease resistant variety with high yield potential.

Vic fell from its previous number one position to take up the number 4 spot in 1993. Vic was seeded on 7.8 percent of durum acreage in sharp contrast with the 26.6 percent in 1992. Vic is of medium height with good disease resistance to stem rust and root rot. It is moderately resistant to leaf rust, and has satisfactory milling, processing and cooking properties.

DURUM WHEAT VARIETIES

SEEDED ACREAGE & PERCENT OF TOTAL BY DISTRICTS – 1993 PRELIMINARY

VARIETY	NORTHEAST		OTHER DISTRICTS		STATE	
	Acres		Acres		Acres	
	(000)	PCT	(000)	PCT	(000)	PCT
Monroe	28.3	26.0	0.0	0.0	28.3	24.6
Westbred Laker	27.5	25.3	0.0	0.0	27.5	23.9
Medora	21.1	19.4	0.0	0.0	21.1	18.3
Vic	9.0	8.3	0.0	0.0	9.0	7.8
Kyle	8.2	7.5	0.0	0.0	8.2	7.1
Rugby	3.6	3.3	0.0	0.0	3.6	3.1
Renville	3.3	3.0	0.0	0.0	3.3	2.9
Crosby	3.3	3.0	0.0	0.0	3.2	2.8
Ward	1.5	1.4	0.0	0.0	1.5	1.3
Other & Unknown	3.2	2.8	6.2	100.0	9.3	8.1
STATE TOTAL	108.8	100.0	6.2	100.0	115.0	100.0

DURUM WHEAT

PERCENT OF TOTAL SEEDED ACREAGE 1988–1993 & SEEDED ACREAGE 1992–93

VARIETY	PERCENT OF TOTAL SEEDED ACREAGE						SEEDED ACRES (000)	
	1988	1989	1990	1991	1992	1993	1992 1/	1993 2/
Monroe	6.1	8.3	14.3	14.2	10.3	24.6	16.4	28.3
WestBred Laker	4.0	15.2	12.7	12.6	8.9	23.9	14.2	27.5
Medora	8.6	7.8	19.0	14.0	20.8	18.3	33.3	21.1
Vic	29.7	27.4	24.0	15.5	26.6	7.8	42.6	9.0
Kyle	0.1	0.3	--	--	2.4	7.1	3.8	8.2
Rugby	--	--	--	2.5	--	3.1	--	3.6
Renville	--	--	0.6	6.0	5.9	2.9	9.5	3.3
Crosby	14.7	6.3	4.3	4.3	4.8	2.8	7.6	3.2
Ward	17.0	18.5	10.2	14.1	5.8	1.3	9.3	1.5
Wakooma	0.7	1.3	4.0	0.2	1.3	--	2.1	--
Wascana	1.7	--	1.0	--	1.6	--	2.5	--
Lloyd	6.6	4.6	1.4	5.4	0.4	--	0.6	--
Other & Unknown	10.8	10.3	8.5	11.2	11.2	8.2	18.1	9.3
STATE TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	160.0	115.0

1/ Revised 2/ Preliminary

WINTER WHEAT VARIETIES: SEEDED ACREAGE AND PERCENT OF TOTAL BY DISTRICTS – 1993 PRELIMINARY

VARIETY	NORTHWEST ACRES		N. CENTRAL ACRES		NORTHEAST ACRES		CENTRAL ACRES		SOUTHWEST ACRES		S. CENTRAL ACRES		SOUTHEAST ACRES		STATE ACRES	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Neeley	1.4	4.1	156.2	12.3	30.2	10.6	265.4	49.7	13.9	31.7	25.4	8.7	5.9	3.1	498.4	18.8
Rocky	--	--	325.1	25.6	2.6	0.9	48.1	9.0	--	--	3.2	1.1	2.1	1.1	381.1	14.4
Redwin	0.9	2.6	105.4	8.3	23.1	8.1	24.0	4.5	1.6	3.6	73.9	25.3	55.7	29.3	284.6	10.7
Tiber	0.3	0.8	142.2	11.2	13.1	4.6	41.7	7.8	1.8	4.2	56.9	19.5	25.8	13.6	281.8	10.6
Judith	--	--	166.4	13.1	2.0	0.7	72.6	13.6	1.8	4.2	7.6	2.6	6.5	3.4	256.9	9.7
Norstar	--	--	121.9	9.6	35.6	12.5	2.7	0.5	--	--	--	--	4.6	2.4	164.8	6.2
Winalta	--	--	76.2	6.0	60.1	21.1	0.5	0.1	--	--	--	--	15.6	8.2	152.4	5.8
Centurk	--	--	54.6	4.3	--	--	3.2	0.6	--	--	0.6	0.2	3.0	1.6	61.4	2.3
Roughrider	--	--	--	--	42.5	14.9	--	--	--	--	--	--	12.5	6.6	55.0	2.1
Siouxland	--	--	--	--	--	--	16.0	3.0	--	--	21.6	7.4	--	--	37.6	1.4
Seward	0.3	0.8	--	--	34.8	12.2	--	--	0.3	0.7	--	--	--	--	35.4	1.4
Warrior	--	--	2.5	0.2	--	--	--	--	--	--	11.1	3.8	15.6	8.2	29.2	1.1
Hawk	--	--	5.1	0.4	--	--	3.2	0.6	--	--	18.7	6.4	--	--	27.0	1.0
Cheyenne	0.4	1.1	12.7	1.0	2.6	0.9	--	--	--	--	3.8	1.3	7.4	3.9	26.9	1.0
Bighorn	--	--	11.4	0.9	7.1	2.5	4.8	0.9	--	--	0.6	0.2	1.3	0.7	25.2	1.0
Agassiz	--	--	--	--	13.4	4.7	--	--	--	--	--	--	8.4	4.4	21.8	0.8
Cree	--	--	10.2	0.8	--	--	5.9	1.1	0.7	1.7	--	--	--	--	16.8	0.6
Stephens	7.4	21.1	--	--	--	--	--	--	9.4	21.4	--	--	--	--	16.8	0.6
Vona	--	--	10.2	0.8	--	--	6.4	1.2	--	--	--	--	--	--	16.6	0.6
Cimmaron	--	--	15.2	1.2	--	--	--	--	--	--	--	--	--	--	15.2	0.6
Other & Unknown	24.3	69.5	54.7	4.3	17.9	6.3	39.5	7.4	14.5	32.5	68.6	23.5	25.6	13.5	245.1	9.3
ALL VARIETIES	35.0	100.0	1270.0	100.0	285.0	100.0	534.0	100.0	44.0	100.0	292.0	100.0	190.0	100.0	2650.0	100.0

WINTER WHEAT: PERCENT OF TOTAL SEEDED ACREAGE 1988–1993 AND SEEDED ACREAGE 1992–1993

VARIETY	PERCENT OF TOTAL SEEDED ACREAGE						SEEDED ACRES (000)	
	1988	1989	1990	1991	1992	1993	1992 1/	1993 2/
Neeley	25.5	22.8	25.7	24.7	25.0	18.8	650.6	498.4
Rocky	9.0	12.0	9.9	14.0	12.5	14.4	325.7	381.1
Redwin	19.6	19.8	14.5	13.0	9.9	10.7	257.9	284.6
Tiber	0.3	1.9	9.5	11.7	13.5	10.6	350.3	281.8
Judith	--	--	0.1	0.8	7.0	9.7	183.0	256.9
Norstar	8.7	7.6	6.9	6.6	7.6	6.2	197.7	164.8
Winalta	9.8	9.7	8.0	5.8	6.1	5.8	159.0	152.4
Centurk	3.8	3.0	2.7	2.4	3.3	2.3	84.9	61.4
Roughrider	4.1	2.0	1.9	3.6	2.8	2.1	73.1	55.0
Siouxland	--	--	--	--	0.1	1.4	3.8	37.6
Seward	--	--	--	--	0.2	1.4	6.4	35.4
Warrior	0.8	1.0	1.1	0.4	0.7	1.1	17.1	29.2
Hawk	0.6	1.2	0.7	0.9	1.0	1.0	26.3	27.0
Cheyenne	1.7	1.4	1.8	1.2	0.8	1.0	20.3	26.9
Bighorn	0.1	0.3	0.6	0.8	0.3	1.0	6.5	25.2
Agassiz	1.1	1.0	0.8	0.7	0.1	0.8	2.9	21.8
Cree	2.9	3.1	3.9	2.0	0.8	0.6	21.6	16.8
Stephens	0.5	0.5	0.3	0.2	0.2	0.6	6.2	16.8
Vona	0.3	0.4	0.5	0.6	0.3	0.6	7.1	16.6
Cimmaron	0.2	0.5	0.1	0.6	1.0	0.6	25.6	15.2
Other & Unknown	11.0	11.8	11.0	10.0	6.8	9.3	174.0	245.1
STATE TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	2600.0	2650.0

1/ Revised 2/ Preliminary

SPRING WHEAT VARIETIES: SEEDED ACREAGE AND PERCENT OF TOTAL BY DISTRICTS – 1993 PRELIMINARY

VARIETY	NORTHWEST ACRES		N. CENTRAL ACRES		NORTHEAST ACRES		CENTRAL ACRES		SOUTHWEST ACRES		S. CENTRAL ACRES		SOUTHEAST ACRES		STATE ACRES	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Amidon (ND 606)	--	--	171.6	16.6	592.7	44.5	2.6	2.7	0.1	0.7	4.8	10.5	22.5	22.7	794.3	30.0
WestBred Rambo	--	--	352.6	34.1	37.3	2.8	6.5	6.6	--	--	--	--	--	--	396.4	15.0
Newana	1.6	7.9	112.7	10.9	42.6	3.2	31.0	31.6	2.5	11.9	2.4	5.2	12.3	12.4	205.1	7.7
Len	0.4	1.9	--	--	179.8	13.5	--	--	--	--	2.0	4.4	3.3	3.3	185.5	7.0
Fortuna	--	--	135.5	13.1	24.0	1.8	5.1	5.2	0.4	2.0	2.9	6.3	1.4	1.4	169.3	6.4
Stoa	--	--	38.3	3.7	95.9	7.2	4.3	4.4	--	--	--	--	17.4	17.6	155.9	5.9
Lew	1.4	7.1	76.5	7.4	49.3	3.7	0.9	0.9	--	--	2.9	6.3	2.3	2.3	133.3	5.0
Grandin	--	--	2.1	0.2	79.9	6.0	0.2	0.2	--	--	--	--	11.0	11.1	93.2	3.5
Olaf	--	--	15.5	1.5	51.9	3.9	--	--	--	--	--	--	8.7	8.8	76.1	2.9
WestBred 926	1.3	6.5	12.4	1.2	--	--	5.3	5.4	1.9	9.0	13.3	28.9	4.4	4.4	38.6	1.5
Tioga	--	--	2.1	0.2	36.0	2.7	--	--	--	--	--	--	--	--	38.1	1.4
Glenman	--	--	35.2	3.4	--	--	--	--	--	--	--	--	--	--	35.2	1.3
Northrup King 751	--	--	17.6	1.7	--	--	4.7	4.8	--	--	0.7	1.5	4.2	4.2	27.2	1.0
Celtic	--	--	--	--	24.0	1.8	--	--	--	--	--	--	0.5	0.5	24.5	0.9
Cutlass	--	--	2.1	0.2	18.6	1.4	--	--	--	--	--	--	--	--	20.7	0.8
Pondera	1.8	8.7	11.4	1.1	--	--	0.4	0.4	--	--	--	--	--	--	13.6	0.5
Leader	0.1	0.6	--	--	12.0	0.9	--	--	--	--	--	--	--	--	12.1	0.5
Penawawa	7.2	35.5	--	--	--	--	0.9	0.9	3.5	16.9	--	--	--	--	11.6	0.4
Butte	--	--	--	--	4.0	0.3	--	--	--	--	2.3	4.9	5.0	5.0	11.3	0.4
Other & Unknown	6.4	31.8	48.4	4.7	84.0	6.3	36.1	36.9	12.4	59.5	14.7	32.0	6.0	6.3	208.0	7.8
ALL VARIETIES	20.2	100.0	1034.0	100.0	1332.0	100.0	98.0	100.0	20.8	100.0	46.0	100.0	99.0	100.0	2650.0	100.0

SPRING WHEAT: PERCENT OF TOTAL SEEDED ACREAGE 1988–1993 AND SEEDED ACREAGE 1992–1993

VARIETY	PERCENT OF TOTAL SEEDED ACREAGE						SEEDED ACRES (000)	
	1988	1989	1990	1991	1992	1993	1992 1/	1993 2/
Amidon (ND 606)	--	0.6	4.7	11.7	19.6	30.0	519.3	794.3
WestBred Rambo	6.6	9.0	15.5	13.5	16.7	15.0	443.0	396.4
Newana	16.2	19.7	16.6	13.3	12.9	7.7	342.0	205.1
Len	15.1	15.2	12.7	11.9	8.1	7.0	215.1	185.5
Fortuna	11.8	14.6	9.0	8.2	6.6	6.4	174.1	169.3
Stoa	10.3	7.9	10.0	8.1	6.7	5.9	176.8	155.9
Lew	10.4	10.2	10.7	14.1	8.7	5.0	229.3	133.3
Grandin	--	--	--	0.2	0.7	3.5	19.8	93.2
Olaf	5.9	5.8	4.5	3.6	2.7	2.9	70.6	76.1
WestBred 926	0.1	0.1	0.3	0.7	0.9	1.5	23.8	38.6
Tioga	3.1	1.1	1.4	1.1	1.3	1.4	35.6	38.1
Glenman	1.1	2.4	1.4	1.5	0.7	1.3	18.8	35.2
Northrup King 751	0.9	0.5	1.3	0.8	1.1	1.0	29.4	27.2
Celtic	--	--	--	0.4	0.6	0.9	16.6	24.5
Cutlass	1.1	0.5	0.7	0.7	0.4	0.8	11.9	20.7
Pondera	1.8	2.4	2.2	0.8	1.5	0.5	38.7	13.6
Leader	0.9	1.1	0.7	0.4	1.1	0.5	28.8	12.1
Penawawa	--	--	--	--	0.1	0.4	3.8	11.6
Butte	0.8	0.4	0.4	2.0	0.5	0.4	12.4	11.3
Other & Unknown	13.9	8.5	7.9	7.0	9.1	7.9	240.2	208.0
STATE TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	2650.0	2650.0

1/ Revised. 2/ Preliminary.

WHEAT RIETIES 92

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PLEASE RETURN

WINTER WHEAT

Neeley remains in top position for the fifth consecutive year. It is a semi-dwarf, intermediate maturing variety, first released in 1980. Neeley quickly became a leading variety, replacing acreage previously planted to Redwin, Norstar, Winalta and Centurk. For the last five years it has accounted for about one quarter of the total winter wheat planted acres. Neeley is the top variety in central and southwest Montana, making up about 50% of the acreage in these districts. Neeley has moderate to good milling and baking qualities, but has a 1 to 3 percent lower protein content than other recommended varieties.

Rocky once again claims second place just narrowly edging out Tiber with 353,400 acres. Rocky, grown mainly in northcentral Montana, increased 7 percent over last year's acreage. It is a high yielding variety released by North American Plant Breeders with good stem and leaf rust resistance and acceptable milling and baking qualities.

Tiber planting increased 29 percent and climbed into third place. It accounts for almost 14 percent of total winter wheat acreage. Tiber was released by M.S.U. in 1987 and has increased in percent of total winter wheat acres each year. Tiber has high yield potential, good winter hardiness and drought tolerance. Tiber also has good milling and baking qualities.

Redwin acreage dropped 20 percent to fourth place. This prominent variety has been on the decline since 1984 but still accounts for 9 percent of the total. Redwin is the leading variety in southeast Montana. Redwin was released by Montana State University with good yield potential, winter hardiness, shatter and lodging resistance and a high protein content.

HARD SPRING WHEAT

Amidon ND(606) shot up into the first position as planted acreage increased 74 percent, contributing 20 percent to spring wheat acreage. It was released in 1988 by NDSU. Amidon is especially adapted to dryland conditions where it has excellent yield potential. It has good resistance to both leaf and stem rust, has root rot tolerance and good milling qualities.

WestBred Rambo maintained its second position, with planted acreage increasing over 20 percent. It is the top variety in northcentral Montana which has over 86 percent of the total Rambo planted this year. In five years Rambo has climbed from less than 1 percent to become an important variety in the state. It was released by the Western Plant Breeders, with sawfly, and lodging resistance. Rambo contributed 16 percent to the total planted spring wheat acres.

Newana, remained in third place, with planted acreage declining 5 percent and accounting for 12 percent of the total planted acres. Newana is a popular spring wheat variety that is grown in every district of the state. It is the top variety in the central section of Montana this year with 40 percent of that district's planted acres. Newana was released by M.S.U, and is a semi-dwarf variety with good milling quality and yield potential.

Len moved from fifth place last year to fourth place this year, although planted acreage dropped 26 percent. The northeastern area of the state has a large majority of the Len this year. Len is a semi-dwarf variety from North Dakota with excellent milling and baking quality.

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This survey was conducted by the Montana Agricultural Statistics Service.

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Student Assistant

DURUM WHEAT

Vic continues to be the most prominent durum wheat variety grown in Montana with 35,100 acres or 27 percent of the total planted acreage. The largest share of Vic was planted in the northeast district. Vic is of medium height with good disease resistance to stem rust and root rot. It is moderately resistant to leaf rust, and has satisfactory milling, processing and cooking properties.

Medora moved into second place this season with 21 percent of the planted acreage. Medora occupied almost 23 percent of the northeast's total planted acres of durum. It has been on the scene for six years and has been one of the top five durum wheat varieties since 1988. Medora is a strong-strawed, disease resistant variety with high yield potential.

Monroe dropped to third place with acreage decreasing by almost half. Since its introduction in 1986 it has become one of the top varieties grown in the northeast section of the state. This year it accounted for over 11 percent of the durum planted in that district. It was released by North Dakota in 1985. Monroe is highly resistant to most stem rust, has a high yield potential, and has favorable milling qualities and spaghetti coloring.

WestBred Laker, the fourth leading durum wheat variety, accounted for 11,000 acres. WestBred Laker is the most prominent variety in the northcentral portion of the state. It is a tall semi-dwarf released by the Western Plant Breeders in 1986. WestBred Laker is resistant to stem rust, moderately resistant to leaf rust and has a high yield potential.

DURUM WHEAT VARIETIES

SEEDED ACREAGE & PERCENT OF TOTAL BY DISTRICTS – 1992

VARIETY	NORTH CENTRAL		NORTHEAST		OTHER DISTRICTS		STATE	
	Acres		Acres		Acres		Acres	
	(000)	PCT	(000)	PCT	(000)	PCT	(000)	PCT
Vic	--	--	34.7	28.9	0.4	28.6	35.1	27.0
Medora	--	--	27.4	22.8	--	--	27.4	21.1
Monroe	--	--	13.5	11.2	--	--	13.5	10.4
WestBred Laker	2.4	28.6	8.5	7.1	0.1	7.1	11.0	8.5
Renville	--	--	7.8	6.5	--	--	7.8	6.0
Ward	--	--	7.7	6.4	--	--	7.7	5.9
Crosby	--	--	6.3	5.2	--	--	6.3	4.8
Kyle	1.9	22.6	0.7	0.6	--	--	2.6	2.0
Wakooma	--	--	1.7	1.4	0.1	7.1	1.8	1.4
Wascana	1.6	19.0	--	--	--	--	1.6	1.2
Lloyd	0.3	3.6	--	--	--	--	0.3	0.2
Other & Unknown	2.2	26.2	11.9	9.9	0.8	57.2	14.9	11.5
STATE TOTAL	8.4	100.0	120.2	100.0	1.4	100.0	130.0	100.0

DURUM WHEAT

PERCENT OF TOTAL SEEDED ACREAGE 1987–1992 & SEEDED ACREAGE 1991–92

VARIETY	PERCENT OF TOTAL SEEDED ACREAGE						SEEDED ACRES (000)	
	1987	1988	1989	1990	1991	1992	1991 1/	1992 2/
Vic	52.1	29.7	27.4	24.0	15.5	27.0	27.9	35.1
Medora	1.4	8.6	7.8	19.0	14.0	21.1	25.2	27.4
Monroe	0.3	6.1	8.3	14.3	14.2	10.4	25.5	13.5
WestBred Laker	3.0	4.0	15.2	12.7	12.6	8.5	22.7	11.0
Renville	--	--	--	0.6	6.0	6.0	10.9	7.8
Ward	12.3	17.0	18.5	10.2	14.1	5.9	25.3	7.7
Crosby	9.9	14.7	6.3	4.3	4.3	4.8	7.7	6.3
Kyle	--	0.1	0.3	--	--	2.0	--	2.6
Wakooma	--	0.7	1.3	4.0	0.2	1.4	0.4	1.8
Wascana	--	1.7	--	1.0	--	1.2	--	1.6
Lloyd	4.1	6.6	4.6	1.4	5.4	0.2	9.7	0.3
Other & Unknown	16.9	10.8	10.3	8.5	13.7	11.5	24.7	14.9
STATE TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	180.0	130.0

1/ Revised 2/ Preliminary

WINTER WHEAT VARIETIES: SEEDED ACREAGE AND PERCENT OF TOTAL BY DISTRICTS – 1992 PRELIMINARY

VARIETY	NORTHWEST ACRES		N. CENTRAL ACRES		NORTHEAST ACRES		CENTRAL ACRES		SOUTHWEST ACRES		S. CENTRAL ACRES		SOUTHEAST ACRES		STATE ACRES	
	(000)	PCT	(000)	PCT	(000)	PCT	(000)	PCT	(000)	PCT	(000)	PCT	(000)	PCT	(000)	PCT
Neeley	1.7	7.3	269.3	19.7	32.9	12.2	237.8	50.6	19.6	49.0	59.1	21.1	22.6	15.1	643.0	24.7
Rocky	--	--	318.5	23.3	1.9	0.7	25.4	5.4	0.3	0.8	7.3	2.6	--	--	353.4	13.6
Tiber	--	--	180.4	13.2	13.5	5.0	45.1	9.6	3.9	9.8	86.8	31.0	23.3	15.5	353.0	13.6
Redwin	0.8	3.5	64.2	4.7	17.8	6.6	47.9	10.2	3.5	8.6	63.0	22.5	46.8	31.2	244.0	9.4
Norstar	--	--	136.7	10.0	61.0	22.6	1.4	0.3	--	--	--	--	1.2	0.8	200.3	7.7
Judith	--	--	135.3	9.9	1.4	0.5	52.6	11.2	1.4	3.6	0.3	0.1	--	--	191.0	7.3
Winalta	--	--	71.1	5.2	50.2	18.6	8.5	1.8	0.3	0.8	--	--	21.7	14.5	151.8	5.8
Centurk	--	--	71.1	5.2	--	--	9.4	2.0	1.7	4.3	8.4	3.0	--	--	90.6	3.5
Roughrider	--	--	--	--	51.8	19.2	--	--	--	--	--	--	10.4	6.9	62.2	2.4
Cimmaron	--	--	24.6	1.8	--	--	2.4	0.5	--	--	--	--	0.6	0.4	27.6	1.1
Hawk	0.2	1.0	8.2	0.6	--	--	0.5	0.1	--	--	17.6	6.3	--	--	26.5	1.0
Cree	--	--	19.1	1.4	--	--	1.4	0.3	0.9	2.3	--	--	1.5	1.0	22.9	0.9
Cheyenne	--	--	9.6	0.7	1.4	0.5	0.9	0.2	--	--	8.7	3.1	--	--	20.6	0.8
Warrior	--	--	0.4	--	--	--	--	--	--	--	7.6	2.7	7.5	5.0	15.5	0.6
Weston	--	--	--	--	--	--	1.9	0.4	--	--	10.4	3.7	2.0	1.3	14.3	0.6
Sage	--	--	--	--	10.0	3.7	--	--	--	--	--	--	1.6	1.1	11.6	0.4
Archer	--	--	9.6	0.7	--	--	1.9	0.4	--	--	--	--	--	--	11.5	0.4
Thunderbird	--	--	2.7	0.2	3.8	1.4	4.2	0.9	--	--	--	--	--	--	10.7	0.4
Bighorn	--	--	5.5	0.4	--	--	0.5	0.1	--	--	--	--	0.9	0.6	6.9	0.3
Vona	--	--	2.7	0.2	--	--	4.2	0.9	--	--	--	--	--	--	6.9	0.3
Other & Unknown	20.3	88.2	38.0	2.8	24.3	9.0	24.0	5.1	8.4	20.8	10.8	3.9	9.9	6.6	135.7	5.2
ALL VARIETIES	23.0	100.0	1367.0	100.0	270.0	100.0	470.0	100.0	40.0	100.0	280.0	100.0	150.0	100.0	2600.0	100.0

WINTER WHEAT: PERCENT OF TOTAL SEEDED ACREAGE 1987–1992 AND SEEDED ACREAGE 1991 – 1992

VARIETY	PERCENT OF TOTAL SEEDED ACREAGE						SEEDED ACRES (000)	
	1987	1988	1989	1990	1991	1992	1991 1/	1992 2/
Neeley	13.7	25.5	22.8	25.7	24.7	24.7	579.9	643.0
Rocky	8.7	9.0	12.0	9.9	14.0	13.6	328.9	353.4
Tiber	--	0.3	1.9	9.5	11.7	13.6	274.5	353.0
Redwin	21.5	19.6	19.8	14.5	13.0	9.4	305.8	244.0
Norstar	11.3	8.7	7.6	6.9	6.6	7.7	154.9	200.3
Judith	--	--	--	0.1	0.8	7.3	19.6	191.0
Winalta	11.2	9.8	9.7	8.0	5.8	5.8	135.6	151.8
Centurk	6.1	3.8	3.0	2.7	2.4	3.5	55.3	90.6
Roughrider	4.5	4.1	2.0	1.9	3.6	2.4	84.7	62.2
Cimmaron	--	0.2	0.5	0.1	0.6	1.1	14.1	27.6
Hawk	0.2	0.6	1.2	0.7	0.9	1.0	20.3	26.5
Cree	4.2	2.9	3.1	3.9	2.0	0.9	47.6	22.9
Cheyenne	3.4	1.7	1.4	1.8	1.2	0.8	27.7	20.6
Warrior	0.6	0.8	1.0	1.1	0.4	0.6	9.4	15.5
Weston	1.0	1.1	1.6	1.6	1.8	0.6	42.8	14.3
Sage	0.6	1.1	0.6	1.5	0.3	0.4	7.1	11.6
Archer	0.3	0.2	0.4	0.4	0.5	0.4	11.8	11.5
Thunderbird	0.2	0 4	0.5	1.1	1.8	0.4	43.0	10.7
Bighorn	0.1	0.1	0.3	0.6	0.8	0.3	17.8	6.9
Vona	0.5	0.3	0.4	0.5	0.6	0.3	15.4	6.9
Other & Unknown	11.9	9.8	10.2	7.5	6.5	5.2	153.8	135.7
STATE TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	2350.0	2600.0

1/ Revised 2/ Preliminary

SPRING WHEAT VARIETIES: SEEDED ACREAGE AND PERCENT OF TOTAL BY DISTRICTS – 1992 PRELIMINARY

VARIETY	NORTHWEST		N. CENTRAL		NORTHEAST		CENTRAL		SOUTHWEST		S. CENTRAL		SOUTHEAST		STATE	
	ACRES		ACRES		ACRES		ACRES		ACRES		ACRES		ACRES		ACRES	
	(000)	PCT	(000)	PCT	(000)	PCT	(000)	PCT	(000)	PCT	(000)	PCT	(000)	PCT	(000)	PCT
Amidon (ND 606)	--	--	155.9	14.8	343.4	27.5	3.4	3.4	--	--	1.3	3.8	27.3	17.1	531.3	20.0
WestBred Rambo	3.8	12.7	365.3	34.7	50.1	4.0	4.9	4.9	--	--	--	--	--	--	424.1	16.0
Newana	6.0	20.0	164.1	15.6	76.2	6.1	39.9	39.9	4.4	16.9	14.6	41.6	23.0	14.4	328.2	12.4
Len	--	--	14.8	1.4	189.7	15.2	--	--	--	--	--	--	23.4	14.6	227.9	8.6
Lew	--	--	132.5	12.6	82.7	6.6	2.3	2.3	--	--	0.5	1.5	8.7	5.4	226.7	8.6
Stoa	--	--	21.6	2.1	143.5	11.5	0.9	0.9	--	--	--	--	19.2	12.0	185.2	7.0
Fortuna	--	--	112.7	10.7	25.8	2.1	13.7	13.7	0.4	1.6	8.2	23.3	3.2	2.0	164.0	6.2
Olaf	--	--	1.7	0.2	67.0	5.4	--	--	--	--	--	--	5.3	3.3	74.0	2.8
Tioga	--	--	--	--	37.2	3.0	--	--	--	--	--	--	--	--	37.2	1.4
Pondera	--	--	17.9	1.7	5.2	0.4	8.0	8.0	2.6	10.0	1.7	4.9	--	--	35.4	1.3
Northrup King 751	1.0	3.3	9.8	0.9	11.0	0.9	--	--	--	--	1.3	3.8	7.8	4.9	30.9	1.2
Leader	--	--	--	--	30.4	2.4	0.3	0.3	--	--	--	--	--	--	30.7	1.2
WestBred 926	3.4	11.3	3.8	0.4	1.0	0.1	6.6	6.6	5.0	19.2	--	--	2.1	1.3	21.9	0.8
Grandin	--	--	0.5	--	14.4	1.2	--	--	--	--	--	--	6.7	4.2	21.6	0.8
Glenman	--	--	15.0	1.4	--	--	2.5	2.5	--	--	--	--	--	--	17.5	0.7
Celtic	--	--	--	--	17.0	1.4	--	--	--	--	--	--	--	--	17.0	0.6
Bounty 309	--	--	--	--	16.7	1.3	--	--	--	--	--	--	--	--	16.7	0.6
Butte	--	--	--	--	12.2	1.0	--	--	--	--	--	--	0.6	0.4	12.8	0.5
Cutlass	--	--	--	--	12.0	1.0	--	--	--	--	--	--	--	--	12.0	0.5
Other & Unknown	15.8	52.7	36.4	3.5	111.5	8.9	17.5	17.5	13.6	52.3	7.4	21.1	32.7	20.4	234.9	8.8
ALL VARIETIES	30.0	100.0	1052.0	100.0	1247.0	100.0	100.0	100.0	26.0	100.0	35.0	100.0	160.0	100.0	2650.0	100.0

SPRING WHEAT: PERCENT OF TOTAL SEEDED ACREAGE 1987–1992 AND SEEDED ACREAGE 1991–1992

VARIETY	PERCENT OF TOTAL SEEDED ACREAGE						SEEDED ACRES (000)	
	1987	1988	1989	1990	1991	1992	1991 1/	1992 2/
Amidon (ND 606)	--	--	0.6	4.7	11.7	20.0	304.8	531.3
WestBred Rambo	0.4	6.6	9.0	15.5	13.5	16.0	351.7	424.1
Newana	21.0	16.2	19.7	16.6	13.3	12.4	346.7	328.2
Len	11.3	15.1	15.2	12.7	11.9	8.6	308.3	227.9
Lew	10.4	10.4	10.2	10.7	14.1	8.6	367.2	226.7
Stoa	4.2	10.3	7.9	10.0	8.1	7.0	210.1	185.2
Fortuna	19.7	11.8	14.6	9.0	8.2	6.2	213.2	164.0
Olaf	5.7	5.9	5.8	4.5	3.6	2.8	93.0	74.0
Tioga	3.8	3.1	1.1	1.4	1.1	1.4	28.8	37.2
Pondera	3.0	1.8	2.4	2.2	0.8	1.3	20.5	35.4
Northrup King 751	1.8	0.9	0.5	1.3	0.8	1.2	21.2	30.9
Leader	1.5	0.9	1.1	0.7	0.4	1.2	11.6	30.7
WestBred 926	--	0.1	0.1	0.3	0.7	0.8	17.4	21.9
Grandin	--	--	--	--	0.2	0.8	5.2	21.6
Glenman	1.7	1.1	2.4	1.4	1.5	0.7	37.7	17.5
Celtic	--	--	--	--	0.4	0.6	10.8	17.0
Bounty 309	0.4	0.3	0.2	0.2	0.3	0.6	7.8	16.7
Butte	1.9	0.8	0.4	0.4	2.0	0.5	51.3	12.8
Cutlass	0.2	1.1	0.5	0.7	0.7	0.5	17.3	12.0
Other & Unknown	13.0	13.6	8.3	7.7	6.7	8.8	175.4	234.9
STATE TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	2600.0	2650.0

1/ Revised. 2/ Preliminary.

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MONTANA WHEAT VARIETIES 1999

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WINTER WHEAT

Neeley remained the leading variety of winter wheat seeded in Montana for the twelfth consecutive year, with over 210 thousand acres planted in the state. Total acres planted decreased from last year's 280 thousand acres. Neeley was developed by the Agricultural Research Service, USDA in cooperation with the Idaho Agricultural Experiment Station and released in 1980. It is a semi-dwarf variety, with intermediate maturity.

Tiber moved into the second place position with over 175 thousand acres of winter wheat planted in the state. Tiber is a standard-height, hard red winter wheat variety released by the Montana Agricultural Experiment Station in 1987. Tiber is a bearded, brown-chaffed, stiff-strawed variety. It has a high yield potential, good shatter resistance and good winter hardiness (similar to Redwin). Tiber's resistance to lodging and shattering is equal to Redwin; shorter in straw height than Winalta. It also has moderate resistance to the leaf spot complex, but is susceptible to dwarf smut, stem rust, and very susceptible to stripe rust. Tiber has average milling and baking quality.

Rampart leaped into third place position with almost quadrupled seeded acres of over 101 thousand. Rampart, a hard red winter wheat, was developed by the Montana Agricultural Experiment Station and released in 1996. It is an awned, red-chaffed, solid-stemmed variety. Kernels are hard red, with a mid-sized germ.. Rampart is resistant to the wheat stem sawfly and to prevalent races of stem rust. It is susceptible to stripe rust, leaf rust, dwarf smut and the Russian wheat aphid. Rampart has excellent milling and baking qualities.

Rocky fell back into fourth place this year with a decrease of almost 50% to 95 thousand acres. It is a pure line selection from Centurk developed and released by Nickerson American Plant Breeders (now AgriPro Seed Company). It is a hard red winter wheat that has white glumes and awns. Rocky is similar in most characteristics to Centurk but differs in glume shape and beak length and has better resistance to soil-borne mosaic. Rocky has average milling and baking quality when compared to Winalta and Redwin.

These top four varieties accounted for 55 percent of the winter wheat acreage seeded in 1999. These same four varieties accounted for 49 percent in 1998.

SPRING WHEAT

McNeal was the leading spring wheat variety planted for the second consecutive year, accounting for almost 40 percent of the seeded acreage with nearly 1.65 million acres planted. McNeal was developed by the Montana Agricultural Experiment Station and released in March 1995. It is a semi-dwarf, hard red spring wheat with red chaff and tan straw. Under Montana growing conditions, McNeal is moderately resistant to lodging and to prevalent races of stem rust and wheat streak mosaic virus. It is somewhat susceptible to leaf rust and stripe rust, and is also fairly vulnerable to Russian wheat aphid and the wheat stem sawfly. McNeal's milling and baking qualities are acceptable by industry.

Amidon remained in second place this year with over 581 thousand acres planted. Amidon is an awned, standard height hard red spring wheat cooperatively developed and released by North Dakota agricultural Experiment Station and United States Department of Agriculture (USDA) in 1988. It is resistant to leaf rust and stem rust, with a leaf spotting rating better than Stoa and Len. It has exhibited an intermediate level of stem solidness. Amidon has a higher protein than Newana, and overall milling and baking qualities are equal to or better than Newana.

Ernest moved up to third place due to a significant increase in planted acres, accounting for 403 thousand acres planted this year. Ernest was developed by the North Dakota Agricultural Experiment Station and released in 1995. It is an awned, white chaffed, standard height, solid stemmed hard red spring wheat. It is resistant to wheat stem sawfly, leaf rust, and stem rust.

Westbred Rambo moved down to fourth place this year with 291 thousand acres planted in the state. It is a medium maturity variety with a high test weight rating and good yield. It is very resistant to stem rust and sawfly infestation.

The top four varieties accounted for over 70 percent of the spring wheat acreage seeded in 1999. These same four varieties accounted for 59 percent in 1998.

This report was made possible by funds provided by the Montana Wheat & Barley Committee. This survey was conducted by the Montana Agricultural Statistics Service.

Peggy Stringer
State Statistician

Becky Herigstad
Steve Sakry
Agricultural Statisticians

Kyle continued to be the leading durum variety for the sixth consecutive year. Over 214 thousand acres of Kyle were planted in the state, accounting for 54 percent of the total seeded acres. Kyle was developed by the Agriculture Canada Research Station, Swift Current, Saskatchewan and released in 1984. Kyle is resistant to leaf and stem rust. It is moderately susceptible to tan spot and septoria leaf spot and susceptible to loose smut.

Vic continues to move up in ranking from its third place position last year. Vic accounts for almost 31 thousand planted acres or 8%. Vic was developed by the North Dakota Agricultural Experiment Station cooperatively with Agricultural Research, Science and Education Administration, USDA and was released to growers in 1979. Vic is resistant to stem rust and moderately resistant to leaf rust and blackpoint. The milling, processing and cooking properties of this variety are satisfactory.

Sceptre moved down from second place last year to it's third place position accounting for 18.5 thousand planted acres. Sceptre is a moderately early maturing variety that is highly resistant to stem rust. It is medium to tall in height, but has a fairly stiff straw.

Renville moved into the fourth place position this year accounting for over 18 thousand planted acres. Renville was developed by the North Dakota Agricultural Experiment Station in cooperation with the United States Department of Agriculture and released in 1988. This variety has shown good resistance to stem and leaf rust. For Renville, the milling characteristics are good, the gluten is strong, and spaghetti color and cooking characteristics are acceptable.

These top four varieties account for 70 percent of total acres seeded to durum wheat. This is comparable to the 66 percent reported in 1998 for the same four varieties.

Durum Wheat: Seeded Acreage and Percent of Total Seeded by Districts - 1999

Variety	North Central		Northeast		Central		Other Districts		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Kyle	11.3	22.6	202.1	60.3	1.3	16.9	--	--	214.7	53.7
Vic	--	--	30.7	9.2	--	--	--	--	30.7	7.7
Sceptre	15.5	30.9	0.7	0.2	2.3	28.9	--	--	18.5	4.6
Renville	--	--	18.2	5.4	--	--	--	--	18.2	4.6
Monroe	--	--	18.1	5.4	--	--	--	--	18.1	4.5
Ben	4.2	8.3	13.0	3.9	--	--	--	--	17.2	4.3
Ward	--	--	15.4	4.6	--	--	1.7	25.0	17.1	4.3
Medora	--	--	8.9	2.7	--	--	4.2	60.3	13.1	3.3
Kemut	2.5	4.9	3.7	1.1	--	--	--	--	6.2	1.5
Utopia	5.1	10.2	--	--	--	--	--	--	5.1	1.3
Munich	--	--	3.8	1.1	--	--	--	--	3.8	1.0
Crosby	--	--	3.4	1.0	--	--	--	--	3.4	0.8
Westbred Laker	0.5	1.0	1.8	0.5	--	--	--	--	2.3	0.6
Coyote	0.7	1.4	1.0	0.3	--	--	--	--	1.7	0.4
Stockholm	1.6	3.1	--	--	--	--	--	--	1.6	0.4
Durex	1.4	2.7	--	--	--	--	--	--	1.4	0.4
Wacoma	--	--	1.2	0.4	--	--	--	--	1.2	0.3
Lloyd	0.4	0.8	--	--	--	--	--	--	0.4	0.1
Other & Unknown	7.1	14.2	13.0	3.9	4.2	54.2	1.0	14.7	25.3	6.3
All Varieties	50.3	100.0	335.0	100.0	7.8	100.0	6.9	100.0	400.0	100.0

Durum Wheat: Percent of Total Seeded Acreage 1993-1999 & Seeded Acreage 1998-1999

Variety	Percent of Total Seeded Acreage							Seeded Acres	
	1993	1994	1995	1996	1997	1998 [1]	1999	1998 [1]	1999
Kyle	7.0	23.6	23.4	20.4	38.4	38.2	53.4	200.4	214.7
Vic	7.7	9.3	17.7	13.9	7.4	7.2	7.6	38.7	30.7
Sceptre	--	--	3.8	3.1	5.1	12.4	4.6	30.7	18.5
Renville	2.8	7.4	10.0	9.0	8.4	5.8	4.5	27.1	18.2
Monroe	24.2	22.5	11.1	20.5	14.1	6.6	4.5	33.1	18.1
Ben	--	--	--	--	--	0.2	4.3	0.7	17.2
Ward	1.3	4.6	4.7	5.4	1.9	1.6	4.3	8.7	17.1
Medora	18.0	3.4	6.0	2.4	8.7	5.5	3.3	29.7	13.1
Kemut	--	1.1	0.3	0.5	0.7	0.1	1.5	0.2	6.2
Utopia	--	--	--	--	--	--	1.3	--	5.1
Munich	--	--	--	--	--	--	1.0	--	3.8
Crosby	2.8	6.4	3.5	7.8	5.1	0.6	0.8	3.2	3.4
Westbred Laker	23.5	14.5	3.8	3.1	2.7	3.2	0.6	12.4	2.3
Coyote	--	--	--	--	--	2.1	0.4	10.4	1.7
Stockholm	--	--	--	--	--	0.4	0.4	1.0	1.6
Durex	--	--	--	0.8	1.0	0.2	0.4	0.5	1.4
Wacoma	--	--	--	--	--	--	0.3	--	1.2
Lloyd	--	--	--	--	--	--	0.1	--	0.4
Other & Unknown	12.7	7.2	15.7	13.1	6.5	15.9	6.6	53.2	25.3
All Varieties	100.0	100.0	100.0	100.0	100.0	100.0	100.0	450.0	400.0

[1] Revised

Spring Wheat: 1999 Seeded Acreage and Percent of Total Seeded by Districts

Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
McNeal	8.7	24.9	729.2	36.7	726.2	49.4	116.3	42.3	9.3	21.7	12.6	12.6	46.6	19.4	1648.9	39.7
Amidon	--	--	142.4	7.2	343.4	23.4	12.6	4.6	--	--	20.6	20.6	62.4	26.0	581.4	14.0
Ernest	--	--	284.1	14.3	87.5	5.9	4.1	1.5	--	--	6.5	6.5	20.8	8.7	403.0	9.7
Westbred Rambo	--	--	276.2	13.9	5.2	0.4	8.4	3.1	--	--	1.7	1.7	--	--	291.5	7.0
Fortuna	--	--	179.5	9.0	0.2	--	18.4	6.7	1.9	4.4	18.6	18.6	--	--	218.6	5.3
Grandin	--	--	18.8	0.9	77.8	5.3	5.3	1.9	--	--	1.0	1.0	24.5	10.2	127.4	3.1
Westbred 926	6.3	18.1	17.5	0.9	--	--	54.3	19.8	4.5	10.5	8.4	8.4	4.0	1.7	95.0	2.3
ID 377S [W]	--	--	76.4	3.8	10.0	0.7	3.6	1.3	--	--	--	--	0.4	0.2	90.4	2.2
Hi-Line	1.5	4.2	43.2	2.2	11.0	0.7	2.5	0.9	2.5	5.8	4.2	4.2	6.9	2.9	71.8	1.7
Westbred 936	11.4	32.5	30.7	1.5	--	--	9.7	3.5	13.8	32.2	0.4	0.4	3.8	1.6	69.8	1.7
Stoa	--	--	15.0	0.8	24.4	1.7	--	--	--	--	--	--	22.0	9.2	61.4	1.5
Lew	--	--	42.1	2.1	8.1	0.6	0.9	0.3	--	--	5.1	5.1	2.1	0.9	58.3	1.4
Newana	0.2	0.5	28.3	1.4	10.3	0.7	4.1	1.5	0.5	1.1	1.4	1.4	5.5	2.3	50.3	1.2
Len	--	--	0.1	--	39.0	2.7	--	--	--	--	--	--	7.9	3.3	47.0	1.1
Kulm	--	--	--	--	33.1	2.2	--	--	--	--	--	--	0.6	0.3	33.7	0.8
Westbred Express	3.9	11.1	--	--	1.1	0.1	2.4	0.9	7.0	16.3	2.0	2.0	0.2	0.1	16.6	0.4
Fergus	--	--	3.3	0.2	--	--	4.9	1.8	--	--	7.9	7.9	--	--	16.1	0.4
Trenton	--	--	--	--	0.9	0.1	--	--	--	--	--	--	14.5	6.1	15.4	0.4
Sonja	--	--	13.2	0.7	2.1	0.1	--	--	--	--	--	--	--	--	15.3	0.4
Wildcat	--	--	3.3	0.2	8.1	0.6	--	--	--	--	--	--	--	--	11.4	0.3
Olaf	--	--	7.5	0.4	2.1	0.1	--	--	--	--	--	--	1.7	0.7	11.3	0.3
Gus	--	--	--	--	8.0	0.5	--	--	--	--	--	--	--	--	8.0	0.2
Other & Unknown	3.0	8.6	76.2	3.8	71.5	4.9	27.5	10.0	3.5	8.0	9.6	9.8	16.1	6.7	207.4	5.0
All Varieties	35.0	100.0	1987.0	100.0	1470.0	100.0	275.0	100.0	43.0	100.0	100.0	100.0	240.0	100.0	4150.0	100.0

[W] White wheat variety

Spring Wheat: Percent of Total Seeded Acreage 1993-1999 & Seeded Acreage 1998-1999

Variety	Percent of Total Seeded Acreage							Seeded Acres (000)	
	1993	1994	1995	1996	1997	1998 [1]	1999	1998 [1]	1999
McNeal	--	--	--	1.3	16.2	26.5	39.7	1007.2	1648.9
Amidon	29.0	27.9	29.9	28.0	24.7	17.2	14.0	653.2	581.4
Ernest	--	--	--	0.2	3.2	7.6	9.7	289.1	403.0
Westbred Rambo	15.5	11.9	10.5	9.9	10.0	7.9	7.0	301.4	291.5
Fortuna	6.6	8.0	8.3	5.9	6.3	6.5	5.3	248.0	218.6
Grandin	3.4	8.5	7.3	8.8	8.9	6.2	3.1	236.1	127.4
Westbred 926	1.5	2.0	3.0	2.5	2.7	1.8	2.3	69.8	95.0
ID 377S [W]	--	--	--	--	--	0.1	2.2	3.9	90.4
Hi-Line	0.4	2.4	4.3	5.6	3.1	3.0	1.7	112.5	71.8
Westbred 936	--	0.2	0.3	1.4	1.0	1.6	1.7	61.7	69.8
Stoa	5.9	5.7	3.6	6.1	4.5	3.4	1.5	130.3	61.4
Lew	5.0	7.2	4.9	4.4	2.5	1.8	1.4	66.7	58.3
Newana	8.2	6.9	5.8	5.0	2.4	2.0	1.2	75.7	50.3
Len	6.6	6.3	6.3	3.6	3.1	1.8	1.1	66.5	47.0
Kulm	--	--	--	0.5	0.4	1.9	0.8	71.6	33.7
Westbred Express	--	0.3	0.4	0.3	0.6	0.4	0.4	16.1	16.6
Fergus	--	--	0.2	0.6	0.8	0.6	0.4	21.4	16.1
Trenton	--	--	--	--	--	--	0.4	0.5	15.4
Sonja	--	--	--	0.1	0.3	0.3	0.4	10.0	15.3
Wildcat	--	--	--	--	--	--	0.3	--	11.4
Olaf	2.8	2.2	1.1	0.5	0.6	0.2	0.3	5.7	11.3
Gus	--	0.1	0.6	1.3	0.6	0.4	0.2	16.1	8.0
Other & Unknown	15.1	10.4	13.5	14.0	8.1	8.8	5.0	336.5	207.4
All Varieties	100.0	100.0	100.0	100.0	100.0	100.0	100.0	3800.0	4150.0

[1] Revised
[W] White wheat variety

Winter Wheat: 1999 Seeded Acreage and Percent of Total Seeded by Districts

Variety	Northwest		North Central		Northeast		Central		Southwest		South Central		Southeast		State Total	
	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%	(000)	%
Neeley	0.4	4.0	28.1	6.5	5.2	8.5	126.3	42.8	9.0	53.2	38.3	21.3	3.3	6.0	210.6	20.1
Tiber	--	--	52.3	12.1	11.3	18.6	43.9	14.9	0.5	3.0	50.2	27.9	17.1	31.1	175.3	16.7
Rampart	--	--	70.3	16.2	--	--	16.5	5.6	0.4	2.6	14.0	7.8	--	--	101.2	9.6
Rocky	0.3	3.0	77.6	17.9	--	--	17.1	5.8	--	--	--	--	--	--	95.0	9.0
Morgan	--	--	68.0	15.7	0.2	0.3	7.8	2.6	2.4	14.1	0.2	0.1	0.7	1.3	79.3	7.6
Vanguard	--	--	59.2	13.7	--	--	12.6	4.3	--	--	7.0	3.9	--	--	78.8	7.5
Redwin	--	--	5.8	1.3	5.2	8.5	6.7	2.3	--	--	20.4	11.4	7.2	13.0	45.3	4.3
Bighorn	--	--	24.1	5.6	--	--	12.3	4.2	--	--	3.3	1.8	--	--	39.7	3.8
Hawk	--	--	11.8	2.7	--	--	--	--	--	--	9.6	5.3	--	--	21.4	2.0
Winalta	--	--	5.9	1.4	7.2	11.8	--	--	--	--	--	--	4.1	7.4	17.2	1.6
Norstar	--	--	3.7	0.9	9.4	15.5	2.5	0.9	--	--	--	--	1.2	2.2	16.8	1.6
Quantum 542	--	--	2.6	0.6	--	--	12.5	4.3	--	--	--	--	--	--	15.1	1.4
Kestrel	--	--	1.4	0.3	5.7	9.3	4.7	1.6	--	--	--	--	2.9	5.2	14.7	1.4
Roughrider	--	--	--	--	13.1	21.5	--	--	--	--	--	--	0.8	1.5	13.9	1.3
Judith	--	--	6.3	1.5	--	--	3.3	1.1	0.3	1.5	0.6	0.3	--	--	10.5	1.0
Warrior	--	--	--	--	--	--	0.9	0.3	--	--	6.2	3.4	3.1	5.6	10.2	1.0
Centurk	--	--	6.1	1.4	--	--	3.1	1.1	--	--	--	--	0.4	0.8	9.6	0.9
Tomahawk	--	--	1.4	0.3	--	--	1.2	0.4	--	--	3.7	2.1	--	--	6.3	0.6
Weston	--	--	--	--	--	--	0.3	0.1	--	--	5.6	3.1	--	--	5.9	0.6
Nuwest [w]	--	--	1.1	0.2	--	--	4.5	1.5	--	--	--	--	--	--	5.6	0.5
Vona	--	--	2.9	0.7	--	--	1.5	0.5	--	--	--	--	--	--	4.4	0.4
Sierra	1.4	15.2	--	--	--	--	--	--	--	--	2.7	1.5	--	--	4.1	0.4
Other & Unknown	6.9	77.8	4.4	1.0	3.7	6.0	17.3	5.8	4.4	25.6	18.2	10.1	14.2	25.8	69.1	6.6
All Varieties	9.0	100.0	433.0	100.0	61.0	100.0	295.0	100.0	17.0	100.0	180.0	100.0	55.0	100.0	1050.0	100.0

[w] White wheat variety

Winter Wheat: Percent of Total Seeded Acreage 1993-1999 & Seeded Acreage 1998-1999

Variety	Percent of Total Seeded Acreage							Seeded Acres (000)	
	1993	1994	1995	1996	1997	1998 [1]	1999	1998 [1]	1999
Neeley	18.4	23.3	23.6	24.6	24.3	20.0	20.1	280.4	210.6
Tiber	10.7	16.2	12.4	16.5	13.4	14.2	16.7	199.0	175.3
Rampart	--	--	--	--	--	1.8	9.6	25.7	101.2
Rocky	14.8	13.3	16.5	14.6	19.1	13.4	9.0	187.5	95.0
Morgan	--	--	--	--	--	2.2	7.6	30.9	79.3
Vanguard	--	--	--	--	0.8	10.3	7.5	144.4	78.8
Redwin	10.8	10.0	8.9	11.4	10.6	6.1	4.3	85.0	45.3
Bighorn	1.0	1.3	0.7	4.0	2.3	3.5	3.8	48.3	39.7
Hawk	1.0	0.9	2.4	0.9	1.7	1.3	2.0	18.3	21.4
Winalta	5.8	4.4	2.8	3.5	1.9	2.9	1.6	39.9	17.2
Norstar	6.4	2.0	4.0	1.8	1.8	1.7	1.6	24.3	16.8
Quantum 542	0.3	1.1	1.8	0.6	1.2	1.0	1.4	13.4	15.1
Kestrel	--	0.1	0.4	1.4	4.0	1.3	1.4	17.9	14.7
Roughrider	2.0	1.8	1.0	2.1	2.3	1.3	1.3	18.8	13.9
Judith	9.8	10.2	8.2	3.7	3.4	4.3	1.0	59.5	10.5
Warrior	1.1	1.7	0.7	0.4	0.6	0.7	1.0	10.0	10.2
Centurk	2.4	2.6	3.1	3.1	1.5	0.9	0.9	13.2	9.6
Tomahawk	--	--	--	--	0.1	0.2	0.6	2.2	6.3
Weston	0.2	1.1	0.6	0.6	0.5	0.6	0.6	8.0	5.9
Nuwest [w]	--	--	--	--	0.1	--	0.5	0.2	5.6
Vona	--	--	--	--	0.1	0.1	0.4	0.7	4.4
Sierra	--	--	--	--	0.7	0.1	0.4	1.4	4.1
Other & Unknown	15.3	10.0	12.9	10.8	9.7	12.2	6.6	171.0	69.1
All Varieties	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1400.0	1050.0

[1] Revised
[w] White wheat variety